Usenet Newsgroup Archive: rec.radio.amateur.space

2006

These Usenet messages were preserved as a plain-text archive. This PDF was generated by Digital Library of Amateur Radio & Communications from the source text file in 2026.

Date span: 2006-01-01 through 2006-12-31

Source text: rec.radio.amateur.space.txt

Source item: https://archive.org/details/usenet-rec

Messages included in this PDF: 471

Message records with no readable body available in the source text: 7

Messages are presented chronologically by archived date.

Binary or encoded payloads are not printed as blocks of encoded text; a placeholder appears where such material was detected. The original source text is unchanged.

1. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-01 17:54:03 UTC
From: Tom Randy <Sorry@spamsucks.net>
Message-ID: <20060101125404275544%Sorry@spamsucksnet>
Source record: 1757

On 2005-12-31 06:35:41 -0500, "wa3ymm" <wa3ymm_pa@verizon.net> said:

> Why have we not tried to put a repeater or tranverter on the moon our
> natural satellite? I seem logical to shoot for this goal.
>
> WA3YMM

Ummmm, lack of money maybe?

2. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-01 18:20:02 UTC
From: jimp@specsol.spam.sux.com
Message-ID: <asil83-8dn.ln1@mail.specsol.com>
Source record: 1758

wa3ymm <wa3ymm_pa@verizon.net> wrote:
> Why have we not tried to put a repeater or tranverter on the moon our
> natural satellite? I seem logical to shoot for this goal.

> WA3YMM

Such things were planned during the Apollo years.

Nothing has soft landed since, so...

--
Jim Pennino

Remove .spam.sux to reply.

3. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-01 20:29:18 UTC
From: Scott <acepilot@bloomer.net>
Message-ID: <n6SdnfZa7NsDpiXeRVn-uQ@bright.net>
Source record: 1759

Path loss might be a problem. What if a part in the repeater fails?
(Space junk on the surface of the moon). EME is already being used as a
"passive" repeater system...

Scott

wa3ymm wrote:

> Why have we not tried to put a repeater or tranverter on the moon our
> natural satellite? I seem logical to shoot for this goal.
>
> WA3YMM
>
>

4. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-02 09:23:44 UTC
From: Les <Les@holywell.demon.co.uk>
Message-ID: <pgDc2EDgEPuDFwxi@holywell.demon.co.uk>
Source record: 1760

In message <asil83-8dn.ln1@mail.specsol.com>, jimp@specsol.spam.sux.com
writes
>wa3ymm <wa3ymm_pa@verizon.net> wrote:
>> Why have we not tried to put a repeater or tranverter on the moon our
>> natural satellite? I seem logical to shoot for this goal.
>
>> WA3YMM
>
>Such things were planned during the Apollo years.
>
>Nothing has soft landed since, so...
>
Have a look at Project Moonray (1965)
http://www.nitehawk.com/rasmit/nick.html
--
Les G8ARF / G3VYZ

5. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-02 12:41:41 UTC
From: Falky foo <falkyfoo@bonksbcglobal.net>
Message-ID: <9c9uf.60763$tV6.58407@newssvr27.news.prodigy.net>
Source record: 1761

assuming it got lots of use and had to use a lot of wattage I'm wondering about the batteries. It would require a big ass solar array and some big ass cells to store the power for when the sun was on the other side of the sphere.

6. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-02 20:57:14 UTC
From: konstans@hotmail.com
Message-ID: <1q4jr1dmams8frnlosm0c3ph48oravt6ce@4ax.com>
Source record: 1762

On Sun, 01 Jan 2006 20:29:18 +0000, Scott <acepilot@bloomer.net>
wrote:

>Path loss might be a problem.
depends on the attenans used at the Luar end
> What if a part in the repeater fails?
>(Space junk on the surface of the moon).
certainly better than leaving thos ehunks in orbits as happens when
sat die

> EME is already being used as a
>"passive" repeater system...

at relitively higher power It is nice idea but the problem more that
nobody is going that way right now to hitch a ride with
>
>Scott
>
>
>wa3ymm wrote:
>
>> Why have we not tried to put a repeater or tranverter on the moon our
>> natural satellite? I seem logical to shoot for this goal.
>>
>> WA3YMM
>>
>>

_____
Usenet Zone Free Binaries Usenet Server
More than 140,000 groups
Unlimited download
http://www.usenetzone.com to open account

7. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-02 20:57:14 UTC
From: henry@spsystems.net
Message-ID: <IsHGvE.wp@spsystems.net>
Source record: 1763

In article <h2utf.3227$gq4.1127@trndny04>,
wa3ymm <wa3ymm_pa@verizon.net> wrote:
>Why have we not tried to put a repeater or tranverter on the moon our
>natural satellite? I seem logical to shoot for this goal.

It's been proposed, but there are big problems.

Getting stuff there, intact, is difficult. Reaching a lunar *impact*
trajectory is easy if you're dropped off in GTO, but decelerating to a
gentle landing, or even a passably rough landing, is harder. (Even
penetrators, the hardest of today's hard-landers, have maximum impact
velocities of hundreds of meters per second, and an undecelerated lunar
impact is up in the thousands.)

Staying operational once there is even worse. A lunar night is two weeks
of no sunlight and very low temperatures. I don't believe an electronics
package has ever survived that without, at least, radio-isotope heaters.
The Soviet Lunokhod rovers were partly nuclear-powered; the US ALSEP
surface-instrument packages entirely so. Even isotope heaters are hugely
expensive and full of political and bureaucratic complications. If the
lander could somehow *bury* itself, except for solar arrays and antennas,
that might work -- lunar soil is a very good thermal insulator -- but the
complexity of doing that is daunting.

Once there are astronauts there again, yeah, quite possibly. But doing
it from Earth is just plain hard.
--
spsystems.net is temporarily off the air; | Henry Spencer
mail to henry at zoo.utoronto.ca instead. | henry@spsystems.net

8. WSR-001 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-01-04 14:42:40 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <A9Ruf.4567$M%4.4305@newsread3.news.atl.earthlink.net>
Source record: 1764

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-001.S1
WSR 001 Part 1 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S1 FROM AMSAT HQ
SILVER SPRING, MD, January 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-001.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Testing
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

This from William Leijenaar, PE1RAH:
Dear AMSATs,

I just got a message from the India Space Research
Organisation (ISRO) that they will switch my
transponder of and switch over to the Indian
Transponder.

The switch over will be done at December 21 on 4:40
UTC time.

To know what transponder is switched on please listen
for the beacon that is active. Each transponder has a
```

different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.

Many thanks for all your reports,
I hope you enjoyed my transponder in space.
[01012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V/U FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

30 Dec
In support of TamSat Request for Asian Scouting Event
PL Tone is OFF as requested
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, NO PL Tone
Downlink 435.300 mhz FM

4 Jan
Enable the Tone, no Mode Change
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

8 Jan
AO-51 Kid's Day Event (See info on Amsat.org)
FM Repeater, V/U, High Power Mode
Uplink: 145.880 mhz FM voice, 67 hz PL Tone
Downlink: 435.300 mhz FM voice

9 Jan
Opportunity for Digipeater Testing
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

16 Jan
FM Repeater, V(ssb)/U FM (Experimental)
Uplink: 145.880 mhz USB
Downlink 435.300 mhz FM

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

This from the AO-51 Command team:

January 2006 Amsat Kid's Day on AO-51

Amsat-NA, the AO-51 Command Team, and the AO-51 Operations Team
will sponsor Kid's Day on AO-51 on January 8, 2006. The event
will run from approximately 0100 UTC 8 January until 0345 UTC
9 January. The event is open to all kids, worldwide. We ask
all amateur radio stations to give this short time window to
promote satellite operations with kids, by actually showing a
kid how to make contacts via AO-51, providing a station to contact,
or stepping aside to allow others to make contacts with the kids.
During the event, please limit contacts to stations that are
operating with kids at the microphone. This should allow the
kids to have a nice QSO and pass some information. Kids can tell
their name, age, who is helping them operate on AO-51, where they
live, and other information about themselves.

AO-51 will be configured in the following mode during the event.
Please note the change in the uplink frequency for the event.
The PL tone will be turned off for the event.

Uplink: 145.880 mhz FM voice
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during
the event.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL
website for more Kids Day information.

Have fun and enjoy AO-51!

73 KE4AZN
Amsat VP-Operations

Echo Command Station
[01012006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Semi-operational in sunlight.
Return to active status: June 21,2002

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A
145.975 to 145.925 MHz CW/USB Mode B
Beacon: 29.502 MHz, 145.972 MHz, 435.1 MHz, 2304.1 MHz

Official Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao7.html

Emily, W0EEC has created a website to allow the users of AO-7 to record
contacts, observations and use of the satellite more effectively at:
http://www.emilyshouse.com/experthams/ao7/main.php

Tim, K3TZ has written a program to decode AO-07 telemetry. The program
can
be downloaded at:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01012006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Worldwide packet uplink: 145.990 MHz FM
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM
Doppler Shift is 10 KHz

Russian callsigns: RS0ISS, RZ3DZR
USA callsign: NA1SS
Packet station mailbox callsign: RS0ISS-11
Packet station keyboard callsign: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/
ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/

Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-001.S2
WSR 001 Part 2 001/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S2 FROM AMSAT HQ
SILVER SPRING, MD, Jamuary 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-001.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
[01012006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Worldwide packet uplink: 145.990 MHz FM
Region 1 voice uplink: 145.200 MHz FM
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Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM
Doppler Shift is 10 KHz

Russian callsigns: RS0ISS, RZ3DZR
USA callsign: NA1SS
Packet station mailbox callsign: RS0ISS-11
Packet station keyboard callsign: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/
ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/

Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[01012006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
[01012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V/U FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedlued Modes for AO-51:

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4 Jan
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Uplink: 145.880 mhz USB
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22 Jan
FM Repeater, V/U

Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

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See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL
website for more Kids Day information.

Have fun and enjoy AO-51!

73 KE4AZN
Amsat VP-Operations
Echo Command Station

[ANS-WSR thanks Mike Kingery, KE4AZN for the above information]
[01012006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
GO-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[01012006]
NNNN
/EX

SB SAT @ AMSAT <MMC $ANS-001.S3
WSR 001 Part 3 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S3 FROM AMSAT HQ
SILVER SPRING, MD, January 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-001.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: In orbit

Uplink/Downlink: 437.250MHz - AX.25 9k6 baud or voice
Beacon: 2401.835MHz - AX.25 38k4 baud or voice

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01012006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html

[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)

John, KD6PAG reports on June 16, 2004 to WSR:
RS-15 beacon seemed to be back in the mode where it's a tone about 5
seconds off and then 5 seconds on this morning.

WSR is looking for more confirmations of RS-15 coming back.

[ANS-WSR thanks John, KD6PAG for RS-15 information]
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK

(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
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SB SAT @ AMSAT <W8ISS $ANS-001.S4
WSR 001 Part 4 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S4 FROM AMSAT HQ
SILVER SPRING, MD, January 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-001.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:

Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980

[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
=====
SUITSAT ?O-??
Catalog Number:
Proposed Release Date: December 8th, 2005

Proposed Callsign: RS0RS ?
Proposed Transmit Frequency: 145.990

This from Frank, KA3HDO:
I have recieved information that the Russian EVA that will deply

SuitSat,
planned for December 8th, has been delayed to late January/Early
February
2006. As we get more information, we will post it.

[ANS-WSR wishes to thank Frank Bauer, KA3HDO for this weeks report]
[11272005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

9. ANS-001 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-01-04 15:12:44 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <MBRuf.2098$ZA2.874@newsread1.news.atl.earthlink.net>
Source record: 1765

AMSAT NEWS SERVICE
ANS-001

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* EAGLE
* XI-V Pictures
* AMSAT Awards
* AO-51 news & AMSAT Kid's Day on AO-51
* Visible Re-entry in January
* ARISS Status - 26 December 2005

SB SAT @ AMSAT $ANS-001.01
EAGLE

AMSAT News Service Bulletin 001.01
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.01

AMSAT Eagle, an HEO bird, is in need of support via funding. In order to get off the ground and become a reality, a good foundation of initial funding will be needed to begin the basic construction efforts by the "Eagle Team." Presently, all members of AMSAT have received an envelope for donations towards this effort. AMRAD and others have put out requests to all to make every effort to contribute to this satellite so do your part and spread the word to fund the project from this beginning phase through launch. Please visit the AMSAT website to donate to this Eagle appeal.

[ANS thanks Barry Baines, WD4ASW for the above information]

/EX

SB SAT @ AMSAT $ANS-001.02
XI-V Pictures

AMSAT News Service Bulletin 001.02
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.02

The small cubesat that was released from the SSETI satellite is sending pictures back to us of the Earth. Find these at:
http://www.ne.jp/asahi/hamradio/je9pel/xivpict2.htm

XI-V (pronounced "Sai five") was built by students at the Intelligent Space Systems Laboratory at the University of Tokyo. It was not assembled by JAMSAT.

The official English Website is
http://www.space.t.u-tokyo.ac.jp/cubesat/index-e.html

[ANS thanks Mineo Wakita, JE9PEL for the above information]

/EX

SB SAT @ AMSAT $ANS-001.03
AMSAT Awards

AMSAT News Service Bulletin 001.03
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.03

This week, congratulations go out to all of the following.

The following 51 on 51 Awards were posted in the order they were received via email and U.S. mail. I did not post #50 to the web so that no one knew when #50 would arrive giving everyone an equal chance at earning Award #51.

Bill Greene, VE7WFG, 51 on 51 Award #50 (Dec 15)
Emily Clarke, W0EEC, 51 on 51 Award #51 (Dec 16)
Leslie Scofield, W4SCO, 51 on 51 Award #52 (Dec 21)
Steven Jepsen, AI7W, 51 on 51 Award #53 (Dec 22)
Takuya Yoshihori, JE1FQV, 51 on 51 Award #54 (Dec 24 05:38 am)
Yasuo Mikashima, JR6LDE, 51 on 51 Award #55 (Dec 24 06:25 am)
Tim Pepper, K8NWD, 51 on 51 Award #56 (Dec 24 10:00 am)

The AMSAT 51 on 51 Award is given to any station that makes contact with 51 different stations on AMSAT's newest satellite, AO-51, during the year 2005.

To receive the award, you must submit your log entries either electronically or by photocopy. Entries must indicate date and time (UTC) of the contact, callsign and grid square of the contacted station, and mode used. Only contacts made between 1 January, 2005 and 31 December, 2005 are eligible. Logbooks may be submitted until 30 April, 2006.

QSL cards are not required, however logbooks may be checked against other applicant's logs. The donation for the award is $10.00 (US Funds) and AMSAT members receive a $5.00 discount. Award fees may be paid through the AMSAT Online Store once you have received confirmation of eligibility from the Director of Contests and Awards.

To see all the awards visit http://www.amsat.org.

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-001.04
AO-51 news & AMSAT Kid's Day on AO-51

AMSAT News Service Bulletin 001.04
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.04

AMSAT-Echo AO-51 News of the Week

Mike Kingery, KE4AZN, AMSAT Vice-President Operations, announced a new version of TlmEcho, the Telemetry Decoding Program for AO-51, is now available on his website: http://home.centurytel.net/ke4aznsatellite/echo.htm.

TlmEcho software will allow the user to view and capture telemetry that is downlinked by Echo in real time.

If you have used a previous version of TlmEcho then you can just download Version 1.1.1 and place the new files in the existing directory on your computer. This is all you need to do to upgrade to the new version.

If this is your first time using the TlmEcho program, then you need to download the full installation which is Version 1.0.5. Install this older version first and then upgrade to Version 1.1.1. Instructions are on the web page.

Also a new EchoCoef file has been placed on the site for download. This file has better high and low limits for the Tlm Channels.

The Echo Operations Team plans to enable the high power mode on AO-51 on January 4, 2006. Use 145.920 mhz FM, 67 hz PL tone for the uplink on this day. The FM downlink will be on 435.300 Mhz. Echo is planned for high power downlink operation on January 8 also in support of Kid's Day activities.

AMSAT-NA, the AO-51 Command Team, and the AO-51 Operations Team will sponsor Kid's Day on AO-51 on January 8, 2006. The event will run from approximately 0100 utc 8 January until 0345 utc 9 January. The event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by

actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids.

During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note the change in the uplink frequency for the event. The PL tone will be turned off for the event.

Uplink: 145.880 mhz FM voice
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during the event.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL website for more Kids Day information.

Have fun and enjoy AO-51!

73 KE4AZN
Amsat VP-Operations
Echo Command Station

[ANS thanks Mike KE4AZN for the above information]

/EX

SB SAT @ AMSAT $ANS-001.05
Visible re-entry in January

AMSAT News Service Bulletin 001.05
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.05

When the NASA probe Stardust sample return capsule nose dives back to Earth in January, it will become the fastest human-made object to streak through the atmosphere. Scientists and engineers are at the ready to observe the spectacular sky show-and savvy skywatchers can join in on the aerial action too.

If all goes to plan, Stardust will release its sample return capsule carrying comet and interstellar dust particles on Jan. 15 at 12:57 a.m. Eastern Standard Time (EST). Four hours later, the capsule will enter Earth's atmosphere, zooming toward Utah and a parachute landing at roughly 5:12 a.m. EST.

During its plummet into Utah, the heat-thwarting capsule will skyrocket across the Western United States [map].

[ANS thanks Space News for the above information]

/EX

SB SAT @ AMSAT $ANS-001.06
ARISS Status - 26 December 2005

AMSAT News Service Bulletin 001.06
From AMSAT HQ SILVER SPRING, MD.
January 1, 2006
To All RADIO AMATEURS
BID: $ANS-001.06

ARISS Status
December 26, 2005

1. Michigan Contact Successful

On Wednesday, December 21, eighteen students from Carman Park Elementary School in Flint, Michigan asked one question each of Bill McArthur, KC5ACR, via the telebridge station, WH6PN in Hawaii. An audience of approximately 300 people attended the event, with media coverage that included the Flint Journal. The contact audio was webcast, and was fed through EchoLink AMSAT (node 101 377) and EDU_Net (node 77 992) conference room servers and was broadcast into the IRLP Discovery Reflector 9010. Streaming audio was also available from the Discovery Reflector website, http://www.discoveryreflector.ca/

Forty-four connections were made to Echolink from stations in Argentina, Bangladesh, Cambodia, Canada, Iraq, Italy, Japan, Luxembourg, Slovenia, Thailand, U.K., and U.S.A., which included 15 simplex nodes and 7 repeater nodes.

The Flint Journal article, "Kids' questions zip into outer space," may be found at:
http://www.mlive.com/news/fljournal/index.ssf?/base/news-33/1135266661268160
.xml&coll=5

Photos of the Carman Park event may be found at this website:
http://www.expedition12.com/charlie/charlie.html

2. Upcoming School Contacts

The 25th Asia-Pacific Scout Jamboree contact has been approved for Saturday, December 31 at 09:12 UTC. The jamboree is held once every four years with scouts, ages 12-18 and will be held this year from December 28 to January 3 in Sattahip, Chonburi Province in Thailand. The hosting committee expects a turnout of 25,000 participants from the around the world, but especially from the 23 member countries in Asia-Pacific. There will be a live broadcast of the contact through the internet at: http://jamboree.siamportals.com . The audio will be fed to the Echolink Bangkok (node number 106 440), AMSAT (node number 101 377), and the EDU_Net node (77 992) conference room servers.

STS Escola de Aviacao Civil in Rio de Janeiro, Brazil has been scheduled for a contact with the ISS on Monday, January 2 at 15:54 UTC.

3. ARRL Article on Sanderson, Mt. Carmel Contacts

The students at Sanderson High School in Sanderson, Texas, and those at Mt. Carmel High School in San Diego, California experienced ARISS contacts on December 8 and 15, respectively. ARRL covered the contacts in the article, "Astronauts Don't Spend Much Time in Space, ISS Commander Tells Students." See:
http://www.arrl.org/news/stories/2005/12/21/100/?nc=1

4. Astronaut Training Status

Brazilian astronaut Marcos Pontes is tentatively scheduled for a training session at JSC on Monday, January 9, at which time he will be introduced to ARISS operations and school contacts. Pontes is scheduled to fly on a taxi flight to the ISS in the spring of 2006.

5. ARRL Article on McArthur Contacts

Bill McArthur, KC5ACR, continues to work stations around the world. On Saturday, December 17, Bill made a contact with Palmer Station in Antarctica, and now qualifies for the Worked All Continents award. ARRL ran an article entitled, "Weekends Best Time to Catch NA1SS on the Air." See:
http://www.arrl.org/news/stories/2005/12/23/2/?nc=1

6. Russian Special Event

Space Patrol, a Russian special event, was planned for December 25 - 26 to commemorate the first anniversary of the death of cosmonaut Gennady Strekalov, U6MIR. Cosmonauts at Energia, using the callsign R3K, and those at the Gagarin Cosmonaut Training Center (GCTC), using RK3DZB, operated HF radios on December 25, and cosmonauts are expected to operate at GCTC on December 26. Two contacts with the ISS were scheduled as part of the event - one on December 25 at 2056 UTC and another on December 26 at 1947 UTC. In addition, the Kenwood radio may be placed in cross band repeater mode from December 27 -31.

7. Japanese Magazine Runs SuitSat Article

The Japanese CQ magazine is writing an article on SuitSat which references ARISS Chairman Frank Bauer's paper, "THIS IS SUITSAT-1, AMATEUR RADIO STATION RS0RS!!" The ARISS team provided photographs to be included in the news write up, which will appear in the Japan CQ's next issue. SuitSat is expected to be deployed on February 2, 2006.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT Office.

73 & Happy 2006 from the ANS team
This week's ANS Editor,
Dee Interdonato, NB2F
nb2f at amsat dot org

10. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-04 16:10:42 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <43bbf341$0$10079$ba620dc5@text.nova.planet.nl>
Source record: 1766

> Staying operational once there is even worse. A lunar night is two weeks
> of no sunlight and very low temperatures. I don't believe an electronics
> package has ever survived that without, at least, radio-isotope heaters.

Would it be possible to design a transponder to work at these low
temperatures? I'm thinking of those HEMT transistors cooled to 80K used
in the deep space network. Keep in the shade during the lunar day and it
wouldn't see huge swings in temperature.

Roland.

11. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-05 01:49:01 UTC
From: Dan/W4NTI <w4nti@mindNOSPAMATALLspring.com>
Message-ID: <hW_uf.2369$ZA2.1961@newsread1.news.atl.earthlink.net>
Source record: 1767

"wa3ymm" <wa3ymm_pa@verizon.net> wrote in message
news:h2utf.3227$gq4.1127@trndny04...
> Why have we not tried to put a repeater or tranverter on the moon our
> natural satellite? I seem logical to shoot for this goal.
>
> WA3YMM
>
>

Only ONE response mentioned the Apollo program..Oh well.

In fact the LAST Apollo flight was to carry a Amateur repeater to the Moon.
I believe it was to operate in the 440 Mhz range. But, alas, the flight
was cancelled.

Dan/W4NTI

12. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-05 01:56:14 UTC
From: konstans@hotmail.com
Message-ID: <40vor19aavrfkf3v36oa1bnkst7qs4mk2b@4ax.com>
Source record: 1768

On Thu, 05 Jan 2006 01:49:01 GMT, "Dan/W4NTI"
<w4nti@mindNOSPAMATALLspring.com> wrote:

>
>"wa3ymm" <wa3ymm_pa@verizon.net> wrote in message
>news:h2utf.3227$gq4.1127@trndny04...
>> Why have we not tried to put a repeater or tranverter on the moon our
>> natural satellite? I seem logical to shoot for this goal.
>>
>> WA3YMM
>>
>>
>
>Only ONE response mentioned the Apollo program..Oh well.
>
>In fact the LAST Apollo flight was to carry a Amateur repeater to the Moon.
>I believe it was to operate in the 440 Mhz range. But, alas, the flight
>was cancelled.

too bad indeed
>
>Dan/W4NTI
>

everyone should be advised that The following person
has been advocating the abuse of elders making false charges of child rape, rape in general
forges post and name

he may also be making flase reports of abusing other in order to attak and cow his foes
he also shows signs of being dangerously unstable

STEVEN J ROBESON
151 12TH AVE NW
WINCHESTER TN 37398
931-967-6282

well stevie you assked for it you got it
Mark Morgan

k4yz@aol.com

Usenet Zone Free Binaries Usenet Server
More than 140,000 groups
Unlimited download
http://www.usenetzone.com to open account

13. Re: Why not on the moon?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-05 09:40:19 UTC
From: henry@spsystems.net
Message-ID: <IsM5J8.5MH@spsystems.net>
Source record: 1769

In article <43bbf341$0$10079$ba620dc5@text.nova.planet.nl>,
Roland <roland_lemmersZPEMM@planet.nl> wrote:
>> Staying operational once there is even worse. A lunar night is two weeks
>> of no sunlight and very low temperatures. I don't believe an electronics
>> package has ever survived that without, at least, radio-isotope heaters.
>
>Would it be possible to design a transponder to work at these low
>temperatures? I'm thinking of those HEMT transistors cooled to 80K used
>in the deep space network. Keep in the shade during the lunar day and it
>wouldn't see huge swings in temperature.

Unfortunately, you'd have to shade it not only against the Sun, but
against the warm lunar surface all around it. And the shades too get
warm, although you can fight that with surface coatings and multiple
layers.

That aside, it's not a bad idea. Quite aside from all the fun ways you
can exploit the lower temperature, a lot of ordinary electronics
apparently will work reasonably well if cooled to LN2 temperatures...
once. It's cycling that kills it, often very quickly.

But I fear I don't see any easy way of keeping it cold during the day.
Hard, complicated ways, but no easy ones.
--
spsystems.net is temporarily off the air; | Henry Spencer
mail to henry at zoo.utoronto.ca instead. | henry@spsystems.net

14. Radio Meteor Obs. Bull. December 2005 Geminids Ursids

Newsgroup: rec.radio.amateur.space
Date: 2006-01-07 19:28:09 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <ug50s15u1t2c7ooqjlquq85jk918q2ijv4@4ax.com>
Source record: 1770
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 149 of December 2005 (84 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0512.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

15. APRSPoint new version available !

Newsgroup: rec.radio.amateur.space
Date: 2006-01-09 09:27:51 UTC
From: "hxc98@yahoo.com" <hxc98@yahoo.com>
Message-ID: <1136798871.048168.191040@g44g2000cwa.googlegroups.com>
Source record: 1771

APRSPoint 2.2 is released. New features include,

1. Added TNC data view and TNC data log,
2. Enabled auto connect for AGW packet engine,
3. Fixed a bug handling weather station data,
4. Ability to load a default map view at startup,
5. Restore TNC settings when program exits.

and many more. The holiday sale is also extended for 2 more days.
Visist http://www.aprspoint.com for details. Thanks.

16. Re: ISS Expedition 12 HAM RADIO PASS - Peterson Elementary - Red Springs N.C

Newsgroup: rec.radio.amateur.space
Date: 2006-01-10 12:33:47 UTC
From: Domestos <thatswhen@westnet.com.au>
Message-ID: <43c3aa61@quokka.wn.com.au>
Source record: 1772

I just read the ISS will be using UHF ham freqs this weekend.....

John

This weekend (Jan 14-15 UTC) Bill McArthur plans to operate on the UHF band
exclusively. It is his desire to work all continents on the UHF band from
the International Space Station.

The frequency he will be using will be 437.55 simplex. Due to the high
Doppler effect on this band, one will need to operate split frequencies for
most of the pass. A very simplified chart showing memory assignment for
transmit and receive with 5 KHz spacing is below as an example .

Mem. TX - RX
Ch A - 437.540 - 437.560 Acquisition of signal (AOS)
Ch B - 437.545 - 437.555
Ch C - 437.550 - 437.550 Time of closest approach (TCA)
Ch D - 437.555 - 437.545
Ch E -437.560 - 437.540 Loss of signal (LOS)

Good Luck and 73,

Kenneth G. Ransom - N5VHO
ISS Ham Radio Project Engineer
Johnson Space Center
Houston, TX

http://spaceflight.nasa.gov/station/reference/radio/
http://www.issfanclub.com/
http://oscar.dcarr.org/index.php
http://www.ariss.net/
http://www.amsat.org/amsat/archive/sarex/48hour/threads.html

Via the sarex mailing list at AMSAT.ORG courtesy of AMSAT-NA.
To unsubscribe, send "unsubscribe sarex" to Majordomo@amsat.org

"John" <qwerty666@alexandria.cc> wrote in message
news:711845289139298.Post@ithinknot.net...
> Hello,
>
> Expedition 12 the crew used the Sputnik-SM Kenwood D700 amateur radio
> station in the SM to conduct a 10-min. ham radio session with students at
> Peterson Elementary School in Red Springs, North Carolina.
>
> http://www.freepgs.com/possum/index.php?option=com_content&task=view&id=30&Itemid=2

17. ANS-008 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-01-12 17:12:48 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <k6wxf.7011$%W1.4738@newsread2.news.atl.earthlink.net>
Source record: 1773

AMSAT NEWS SERVICE
ANS-008

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* AMSAT 2006 Space Symposium
* 2006 AMSAT Kid's Day on AO-51 (Rebroadcast)
* AMSAT 51 on 51 Award Time Period Expires
* SKN on OSCAR 2006 Best Fist Nominations Due
* AO-7 Activity Reports
* ARISS Status January 2, 2006
* NASA Reports Explosion on the Moon
* FREE 2006 Daily Skywatching Guide Available

SB SAT @ AMSAT $ANS-008.01
AMSAT 2006 Space Symposium

AMSAT News Service Bulletin 008.01
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.01

The 2006 AMSAT Space Symposium Planning Committee hosted by the Project OSCAR Amateur Radio Club is pleased to announce that the 2006 Space Symposium will be held at the Crowne Plaza San Francisco Mid-Peninsula hotel in Foster City, California. The dates of the Symposium and surrounding activities will begin on the 5th of October and run through the 11th of October, 2006. Why so long? This year's Symposium will be include the AMSAT Board meeting, AMSAT General Membership Meeting, the ARISS International Delegates Meeting, a meeting of the IARU Satellite Advisors Committee and AMSAT International Delegates. It's going to be a busy weekend!

"We are very excited to host the Symposium here in the San Francisco Bay Area" says Project OSCAR VP Emily Clarke who is also co-chair for the planning committee. "We are especially pleased to chose the Crowne Plaza as

it fills more qualifications based on what the membership indicated was important in our recent survey. It is spacious, has affordable food services, excellent rooms and free shuttles to shopping and commuter rail service. Even more important, according to the survey, there is free high speed internet in the rooms, meeting spaces, dining spaces and even the swimming pool! We also invite AMSAT Symposium attendees to stay for Pacificon, the ARRL Pacific Division Convention which will be held the following weekend."

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at: http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

[ANS thanks Emily, W0EEC and the 2006 AMSAT Symposium Committee for the above information]

/EX

SB SAT @ AMSAT $ANS-008.02
2006 AMSAT Kid's Day on AO-51 (Rebroadcast)

AMSAT News Service Bulletin 008.02
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.02

AMSAT-NA, the AO-51 Command Team, and the AO-51 Operations Team will sponsor Kid's Day on AO-51 on January 8, 2006. The event will run from approximately 0100 UTC 8 January until 0345 UTC 9 January. The event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids.

During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note the change in the uplink frequency for the event. The PL tone will be turned off for the event.

Uplink: 145.880 MHz FM voice
Downlink: 435.300 MHz FM voice

The digital transponder on 435.150 will be turned off during the event.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL web site for more Kids Day information.

Have fun and enjoy AO-51!

[ANS thanks Mike, KE4AZN for the above information]

/EX

SB SAT @ AMSAT $ANS-008.03
AMSAT 51 on 51 Award Time Period Expires

AMSAT News Service Bulletin 008.03
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.03

The AMSAT 51 on 51 Award time period for operating is now over. It ended December 31, 2005. You still have until April 30, 2006 to submit for this award if you have earned it.

This week, congrats go out to all of the following.

Laurent Ferracci, F1JKJ, Satellite Communications Achievement Award #427

Steven Holly, WI2W, 51 on 51 Award #57
Alan Rothermich, WB0QLU, 51 on 51 Award #58
Marc Sanchez, KD5MSS, 51 on 51 Award #59
Patrick Stoddard, WD9EWK, 51 on 51 Award #60

To see all the awards visit http://www.amsat.org.

[ANS thanks Bruce Paige, KK5DO, AMSAT Director Contests and Awards for the above information]

/EX

SB SAT @ AMSAT $ANS-008.04
SKN on OSCAR 2006 Best Fist Nominations Due

AMSAT News Service Bulletin 008.04
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.04

Ray Soifer, W2RS passes along the following request regarding Straight Key Night on OSCAR 2006:

"Many thanks to all who participated in Straight Key Night on OSCAR 2006."

"Please remember to nominate someone you worked for 'Best Fist.' Your nominee need not have the best fist of those you heard, just of those you worked. Nominations should be sent to w2rs@arrl.net. A list of those nominated will be published in ANS in early February, and in a forthcoming issue of The AMSAT Journal."

[ANS thanks Ray, W2RS for the above information]

/EX

SB SAT @ AMSAT $ANS-008.05
AO-7 Activity Reports

AMSAT News Service Bulletin 008.05
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.05

The AMSAT-bb has been active this week with reports of AO-7 activity. Emily Clarke, W0EEC filed the following report:

"There were some excellent reports on the AO-7 log by VE9QRP and W8IJ this evening (04 Jan after 0000). Sweet. Unfortunately, I worked the 04:40 pass on the west coast and there was nada except someone who appeared to tune up and gave up."

"I'm curious enough to mention that AO-7 is only operable when in full sunlight. This doesn't meant that it is operable when Nova says "Visible." Visible means that it is "Sunlit" but not that it is in full sunlight. So wait about 30 more seconds (or so) for it to get fully illuminated."

"Not all tracking programs will tell you when it is illuminated by the sun. If not, look at the footprint and see if there is a clear delineation between the footprint and the sunlight portion of the earth beyond the gray line. That is when it will be fully illuminated (thanks to Drew KO4MA for that hint.)"

"I've recently added some real-time graphs to track the mode shifts and also a scorecard for AO-7 operators. You don't have to make the entry yourself, but someone you have had a QSO with does. Kudos to K3SZH for being the most frequently heard or listening ham on AO-7."

Emily states that if you do work AO-7, you are encouraged to log your contacts at:
http://www.emilyshouse.com/experthams/ao7/

--

JAMSAT member Mineo Wakita, JE9PEL caught an AO-7 telemetry cycle on 5 January 2006. Mineo reported that the telemetry cycle was approximately 80 seconds long and that he has recorded it to an MP3 file.

You can hear Mineo's MP3 file at the following URL:
http://www.ne.jp/asahi/hamradio/je9pel/60105a07.mp3

The following data was also provided:

AO-7
Jan 5, 2006
11:04-11:26 UTC
145.972 MHz CW
54 Degrees Max Elevation

HI HI
180 180 180 180
252 252 252 252
324 324 324 324
496 496 496 496
568 568 568 568
696 696 696 696
HI HI

For an explanation of AO-7 telemetry see:
http://www.amsat.org/amsat/sats/n7hpr/ao7_tlm.html

For the most recent AO-7 status report see:
http://www.amsat.org/amsat-new/satellites/status.php#AO-7

[ANS thanks Emily, W0EEC and Mineo, JE9PEL for the above information]

/EX

SB SAT @ AMSAT $ANS-008.06
ARISS Status January 2, 2006

AMSAT News Service Bulletin 008.06
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.06

1. Asia-Pacific Scout Jamboree Contact Successful

On Saturday, December 31, ten scouts attending the 25th Asia-Pacific Scout Jamboree contacted the ISS, and spoke to Bill McArthur, KC5ACR. The children were able to ask and have answered 14 questions, as an audience of 100 people looked on. Three newspapers, 3 television stations, and one radio station covered the event. The audio was fed to the Echolink Bangkok, AMSAT and EDU_Net conference room servers. Sixty-four connections were made from the following ten countries, which included 33 simplex and 5 repeater nodes: Australia, Canada, France, Germany, India, Japan, Luxembourg, Thailand, U.K., U.S.A.

2. Upcoming School Contacts

Peterson Elementary School in Red Springs, North Carolina (a crew pick) has been scheduled for an ARISS contact via the telebridge station, VK5ZAI in Australia. The students will speak with Bill McArthur, KC5ACR, on Monday, January 9, 2006 at 16:39 UTC.

St. Albert the Great School in North Royalton, Ohio has been approved for an ARISS contact on Wednesday, January 11 at 18:11 UTC.

3. McArthur Active on Voice

Bill McArthur, KC5ACR, was active on voice over the holiday week, and continues to work stations around the world. Stations in Japan and Europe reported having contacts with the astronaut this past week.

4. Russian Special Event

The Russian special event, Space Patrol, was held December 25 - 26 to commemorate the first anniversary of the death of cosmonaut Gennady Strekalov, U6MIR. Cosmonauts at Energia and the Gagarin Cosmonaut Training Center (GCTC) participated, using HF radios. Two contacts were made with the ISS as part of the event. The Kenwood radio was then placed in repeater mode for a few days. Stations reported having made contacts with the cosmonauts on the ground, and heard Valery Tokarev making contacts from the ISS.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-008.07
NASA Reports Explosion on the Moon

AMSAT News Service Bulletin 008.07
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.07

NASA scientists have observed an explosion on the moon. The blast, equal in energy to about 70 kg of TNT, occurred near the edge of Mare Imbrium (the Sea of Rains) on 7 November 2005, when a 12-centimeter-wide meteoroid slammed into the ground traveling 27 km/s.

"What a surprise," says Marshall Space Flight Center (MSFC) researcher Rob Suggs, who recorded the impact's flash. He and colleague Wes Swift were testing a new telescope and video camera they assembled to monitor the moon for meteor strikes. On their first night out, "we caught one," says Suggs.

The full story can be found at:
http://science.nasa.gov/headlines/y2005/22dec_lunartaurid.htm?list835304

[ANS thanks NASA Science News for the above information]

/EX

SB SAT @ AMSAT $ANS-008.08
FREE 2006 Daily Skywatching Guide Available

AMSAT News Service Bulletin 008.08
From AMSAT HQ SILVER SPRING, MD.
January 8, 2006
To All RADIO AMATEURS
BID: $ANS-008.08

Here is a FREE 407-page downloadable book containing What's Up skywatching material from UniverseToday.com for every day in 2006. You can download the book to your local computer, go to the day you like and print off the page to take outside with you nicely formatted.

It's also got tons of other material including general skywatching advice, equipment selection, and hundreds of beautiful photographs.

It's an Adobe Acrobat PDF file, so you'll need to download the Adobe Acrobat reader if you don't have it already.

And yes, this book is absolutely free.

More information can be found at the UniverseToday.com web site:
http://www.universetoday.com/am/publish/whatsup_2006_book.html

[ANS thanks UniverseToday.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG
wa1lbg at amsat dot org

18. WSR-008 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-01-12 17:12:57 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <t6wxf.7012$%W1.5680@newsread2.news.atl.earthlink.net>
Source record: 1774

Sorry, but have not received a copy of WSR-008.

19. WSR-015 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-01-16 14:45:14 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <_jOyf.268$vU2.237@newsread3.news.atl.earthlink.net>
Source record: 1775

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-015.S1
WSR 015 Part 1 01/15/2006

AMSAT NEWS SERVICE BULLETIN 015.S1 FROM AMSAT HQ
SILVER SPRING, MD, January 015, 2006
TO ALL RADIO AMATEURS
BID: $ANS-015.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen
for the beacon that is active. Each transponder has a
different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V USB/U FM Experimental

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

16 Jan
FM Repeater, V(USB)/U FM (Experimental)
Uplink: 145.880 mhz USB
Downlink 435.300 mhz FM

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01082006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The

order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Semi-operational in sunlight.
Return to active status: June 21,2002

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A
145.975 to 145.925 MHz CW/USB Mode B
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao7.html
AO-7 Contact and Observations reporting webpage:
http://www.emilyshouse.com/experthams/ao7/main.php
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01152006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Combination Voice / Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line

is
NOT translated from Russian and posted.

This off the AMSAT-BB:
There are still reports that William McArthur, KC5ACR, still needs
Alaska to
getting Worked All States (WAS) on 2 meters. He has been active this
past
weekend on a reported frequency of 437.550Mhz.
[01152006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-015.S2
WSR 015 Part 2 01/15/2006

AMSAT NEWS SERVICE BULLETIN 015.S2 FROM AMSAT HQ
SILVER SPRING, MD, Jamuary 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-015.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
[01012006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Combination Voice / Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

This off the AMSAT-BB:
There are still reports that William McArthur, KC5ACR, still needs
Alaska to
getting Worked All States (WAS) on 2 meters. He has been active this
past
weekend on a reported frequency of 437.550Mhz.
[01152006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
[01012006]
=====
AO-51 ECHO
Catalog number: 28375

Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V USB/U FM Experimental

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedule from the AO-51 Command Team:

16 Jan
FM Repeater, V(ssb)/U FM (Experimental)
Uplink: 145.880 mhz USB
Downlink 435.300 mhz FM

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01152006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====

CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
GO-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-015.S3
WSR 015 Part 3 01/15/2006

AMSAT NEWS SERVICE BULLETIN 015.S3 FROM AMSAT HQ
SILVER SPRING, MD, January 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-015.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: In orbit

Uplink/Downlink: 437.250MHz - AX.25 9k6 baud or voice
Beacon: 2401.835MHz - AX.25 38k4 baud or voice

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01012006]
=====

POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)

John, KD6PAG reports on June 16, 2004 to WSR:
RS-15 beacon seemed to be back in the mode where it's a tone about 5
seconds off and then 5 seconds on this morning.

WSR is looking for more confirmations of RS-15 coming back.

[ANS-WSR thanks John, KD6PAG for RS-15 information]
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====

KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]

=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK

(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-015.S4
WSR 015 Part 4 01/15/2006

AMSAT NEWS SERVICE BULLETIN 015.S4 FROM AMSAT HQ
SILVER SPRING, MD, January 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-015.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:

Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980

[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
=====
SUITSAT ?O-??
Catalog Number:
Proposed Release Date: December 8th, 2005

Proposed Callsign: RS0RS ?
Proposed Transmit Frequency: 145.990

This from Frank, KA3HDO:
I have recieved information that the Russian EVA that will deply

SuitSat,
planned for December 8th, has been delayed to late January/Early
February
2006. As we get more information, we will post it.

[ANS-WSR wishes to thank Frank Bauer, KA3HDO for this weeks report]
[11272005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

20. ANS-015 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-01-16 14:45:16 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <0kOyf.269$vU2.183@newsread3.news.atl.earthlink.net>
Source record: 1776

AMSAT NEWS SERVICE
ANS-015

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* Reminder - AMSAT Space Syposium Dates October 5-11, 2006
* ISS Amateur Radio Update
* ARISS Status for the Week of January 9, 2006
* One Last Reminder - SKN on OSCAR 2006 Best Fist Nominations Due
* Ham Radio Pioneered Invention Available to the Public

SB SAT @ AMSAT $ANS-015.01
Reminder - AMSAT Space Syposium Dates October 5-11, 2006

AMSAT News Service Bulletin 015.01
From AMSAT HQ SILVER SPRING, MD.
January 15, 2006
To All RADIO AMATEURS
BID: $ANS-015.01

The 2006 AMSAT Space Symposium Planning Committee hosted by the Project OSCAR Amateur Radio Club is pleased to announce that the 2006 Space Symposium will be held at the Crowne Plaza San Francisco Mid-Peninsula hotel in Foster City, California. The dates of the Symposium and sur-rounding activities will begin on the 5th of October and run through the 11th of October, 2006.

This year's Symposium will be include the AMSAT Board meeting, AMSAT General Membership Meeting, the ARISS International Delegates Meeting, a meeting of the IARU Satellite Advisors Committee and AMSAT International Delegates. It's going to be a busy weekend!

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

[ANS thanks Emily, W0EEC and the 2006 AMSAT Symposium Committee for the above information]

/EX

SB SAT @ AMSAT $ANS-015.02
ISS Amateur Radio Update

AMSAT News Service Bulletin 015.02
From AMSAT HQ SILVER SPRING, MD.
January 15, 2006
To All RADIO AMATEURS
BID: $ANS-015.02

Kenneth Ransom, N5VHO, who is the ISS Ham Radio Project Engineer at the Johnson Space Center in Houston, provided several updates to the recent ham band activity from the ISS.

Radio amateurs around the world have been enjoying how active Astronaut Bill McArthur has been during these recent weeks. The ISS has been in favorable pass times for the continental US right after the end of the crew work day. Bill has already been heard on a few of the passes around 1930-2200 UTC. He is often active on Saturday and Sunday at various times from 0800-2200 UTC.

Bill has worked 49 states from orbit. The sole state remaining is Alaska which will be in more favorable orbits starting around Jan 20. Current orbits for them are during the normal crew sleep time.

Bill has also worked operators on all continents including Antarctica using VHF. As of Jan. 9 Bill had 63 DXCC entities with the following breakdown by continent:

5 Total worked in S. America
4 Total worked in Oceania
9 Total worked in N. America
29 Total worked in Europe
11 Total worked in Asia
1 Total worked in Antarctica
4 Total worked in Africa

Henk, PA3GUO, has a web page with photographs and an audio recording of both ends of his contact with ISS. See: http://www.qsl.net/pa3guo.

Mak, SV1BSX reports hearing Bill work the following prefixes: DL, EA, F, HA, I, IS0, G, OE, OK, ON, PA, SM, SP, SV, TA, UA, YU, HZ, and 9K. Mak says that these Greek stations have had the opportunity to have a contact with Bill: SV1BSX, SV1LK, SV8CS.

During the weekend of Jan 14-15 UTC Bill McArthur plans to operate on the UHF band exclusively. It is his desire to work all continents on the UHF band from the International Space Station.

The frequency he will be using will be 437.55 simplex. Due to the high Doppler effect on this band, one will need to operate split frequencies

for most of the pass. A very simplified chart showing memory assignment
for transmit and receive with 5 KHz spacing is below as an example.

Mem. TX - RX
Ch A - 437.540 - 437.560 Acquisition of signal (AOS)
Ch B - 437.545 - 437.555
Ch C - 437.550 - 437.550 Time of closest approach (TCA)
Ch D - 437.555 - 437.545
Ch E -437.560 - 437.540 Loss of signal (LOS)

Bill's contact log now exceeds 700 but that includes several repeat
stations. Please give others a chance if you are in a highly populated
footprint. As a reminder, these simple operating practices will increase
every ones chances:

1. Wait for ISS Crew to call CQ or QRZ.
2. Send only your call sign phonetically and wait for crew to acknowledge
your specific call sign.
3. Listen closely for the call of the station ISS is talking with.
4. If you do not hear your specific call sign, do not transmit again.
until you hear the ISS crew member say CQ or QRZ.
5. Please be courteous.

Hams in North America will also enjoy visual sighting opportunities of
the International Space Station when it will be flying over the United
States this month during evening hours when it is easy to see. Use your
tracking program or you can find the visual sighting times for your QTH
from the Heavens Above web page: http://www.heavens-above.com

The following links should prove useful to anyone not familiar with ISS
operations:

http://spaceflight.nasa.gov/station/reference/radio/
http://www.issfanclub.com/
http://oscar.dcarr.org/index.php <http://oscar.dcarr.org/index.php>
http://www.ariss.net/
http://www.amsat.org/amsat/archive/sarex/48hour/threads.html

[ANS thanks Kenneth, N5VHO for the above information]

/EX

SB SAT @ AMSAT $ANS-015.03
ARISS Status for the Week of January 9, 2006

AMSAT News Service Bulletin 015.03
From AMSAT HQ SILVER SPRING, MD.
January 15, 2006
To All RADIO AMATEURS
BID: $ANS-015.03

1. Brazilian Contact Successful

On Monday, January 2, students from the STS Escola de Aviacao Civil in Rio de Janeiro, Brazil experienced a successful contact with the ISS. Bill McArthur, KC5ACR, answered 17 questions posed to him by seventeen students, as an audience of 60 gathered around the radio. A Rio de Janeiro technical magazine, Antena Eletronica Popular, covered the event. The audio was retransmitted on HF (7080 Mhz) and Echolink. STS is a civil aviation school which offers airplane and helicopter instruction to students,
ages 18-25, and gives refresher courses to pilots, ages 25-45.

2. ARISS School Contacts

Peterson Elementary School in Red Springs, North Carolina had ARISS contact via the telebridge station, VK5ZAI in Australia on Monday, January 9, 2006.

St. Albert the Great School in North Royalton, Ohio had an ARISS contact on Wednesday, January 11, 2006.

Itaki Elementary School Father's Club in Higashihiroshima, Hiroshima, Japan, is scheduled for an ARISS contact on Thursday, January 19, 2006.

The Georgia Institute of Technology, School of Aerospace Engineering in Atlanta, Georgia (crew pick) is scheduled for an ARISS contact on Thursday, January 19 at 15:05 UTC.

3. NASA Education Covers Upcoming SuitSat Event

SuitSat, a Russian spacesuit containing ham radio equipment with recorded voice messages and a CD of student artwork, is scheduled to be deployed during a Russian EVA between February 2-9, 2006.

NASA Education has posted two versions of a SuitSat article entitled, "Hearing Voices from Space," on its website. The first version covers grades K-8, and the second, grades 9-12 & postsecondary. The articles are available at the NASA Education page:
http://education.nasa.gov/home/index.html and once there follow the links "For Students" or "For Educators".

4. Astronaut Training Status

The Brazilian Space Agency is working with astronaut Marcos Pontes to obtain an amateur radio license and callsign for him, so that he may participate in an ARISS contact during his spring 2006 taxi flight. A training session at JSC has also been scheduled to familiarize Pontes with ARISS school operations.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-015.04
One Last Reminder - SKN on OSCAR 2006 Best Fist Nominations Due

AMSAT News Service Bulletin 015.04
From AMSAT HQ SILVER SPRING, MD.
January 15, 2006

To All RADIO AMATEURS
BID: $ANS-015.04

Ray Soifer, W2RS passes along the following request regarding Straight Key Night on OSCAR 2006:

"Many thanks to all who participated in Straight Key Night on OSCAR 2006."

"Please remember to nominate someone you worked for 'Best Fist.' Your nominee need not have the best fist of those you heard, just of those you worked. Nominations should be sent to w2rs@arrl.net. A list of those nominated will be published in ANS in early February, and in a forthcoming issue of The AMSAT Journal."

[ANS thanks Ray, W2RS for the above information]

/EX

SB SAT @ AMSAT $ANS-015.05
Ham Radio Pioneered Invention Available to the Public

AMSAT News Service Bulletin 015.05
From AMSAT HQ SILVER SPRING, MD.
January 15, 2006
To All RADIO AMATEURS
BID: $ANS-015.05

Talking pants, a ham radio inspired invention by those of us who carry our HT in a pocket or on a belt, will become available to the general public.

Jeans giant Levi's is hoping to woo fashionistas and music aficionados alike with its new iPod-compatible RedWire DLX jeans, due out this fall.

With a joystick remote control built into the watch pocket, the new jeans will allow wearers to play, pause, track forward or back and adjust the volume on their iPods without having to take them out of their pockets.

A separate pocket will house and conceal the bulge of the iPod, while a built-in retractable headphone unit is designed to prevent tangled wires.

A red conductive ribbon will keep wearers connected while allowing them to remove the iPod from their pockets to view the screen, the company said. Users will need to remember to empty their pockets before doing the laundry.

If you'd like to read more about it, see:
http://www.spacedaily.com/2006/060111153858.q5blomhb.html

[ANS thanks SpaceDaily.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, WB9JEJ
WB9JEJ at amsat dot org

21. Power required for Mode A psk-31

Newsgroup: rec.radio.amateur.space
Date: 2006-01-18 04:04:21 UTC
From: Tom Coates <tecoatesHatesSpam@comcast.net>
Message-ID: <soednRKS-Zn8I1DeRVn-qQ@comcast.com>
Source record: 1777
Cross-posted to: rec.radio.amateur.digital,rec.radio.amateur.space

What is the minimum uplink power required for solid comunication using psk-31 and a quarter-wave ground plane antenna with Mode A on the low-orbit satellites?

Tom

22. Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-21 00:59:10 UTC
From: James <jnipperxxx@nospamfdn.com>
Message-ID: <sIOdnbolk5rBGkzenZ2dnUVZ_s6dnZ2d@comcast.com>
Source record: 1778

How useful is the Eggbeater (from M2) for working the ISS ??

73 de Jim K4PYT

23. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-21 19:43:15 UTC
From: Greg <devnull@gravitywell.org>
Message-ID: <n9wAf.42952$d5.198959@newsb.telia.net>
Source record: 1779

I used the NOAA (137MHz) version to receive MIR with great results,
the eggbeater really catches those low horizon sats and I suppose ISS is in
a similar orbit.

"James" <jnipperxxx@nospamfdn.com> wrote in message
news:sIOdnbolk5rBGkzenZ2dnUVZ_s6dnZ2d@comcast.com...
>
>
> How useful is the Eggbeater (from M2) for working the ISS ??
>
>
> 73 de Jim K4PYT
>
>
>
>

24. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-21 22:20:57 UTC
From: James <jnipperxxx@nospamfdn.com>
Message-ID: <KZSdnewsl9NWLk_eRVn-qg@comcast.com>
Source record: 1780

Thanks Greg !! I welcome other comments !!

73 de Jim K4PYT

25. ANS-022 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-01-23 15:32:09 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <ZF6Bf.5185$vU2.126@newsread3.news.atl.earthlink.net>
Source record: 1781

AMSAT NEWS SERVICE
ANS-022

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

****

In this edition:

* Astronaut Bill McArthur Scores WAC on UHF and WAS on VHF
* AO-7 Enters Period of No Eclipse
* AO-7 Control Electronics Still Functioning After 30+ Years in Space
* Satellite DX is Still Happening
* New Photos From the XI-V Cubesat Available
* AMSAT Journal Articles Needed - Deadline Nears
* Get Ready For SuitSat
* NASA Prepares For February 3 Spacewalk
* OSCARLocator Photo Gallery Invites Contributions

SB SAT @ AMSAT $ANS-022.01
Astronaut Bill McArthur Scores WAC on UHF and WAS on VHF

AMSAT News Service Bulletin 022.01
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.01

Last weekend, January 14-15 UTC, Astronaut Bill McArthur aboard the International Space Station operated on the UHF band exclusively. A report received from Keith, ZS6TW in South Africa indicates that Bill has completed a sweep of Working All Continents on UHF.

Keith wrote on the ISS Fan Club site, http://www.issfanclub.com, "Bill was active on UHF voice over RSA on the January 14, 20:00 UTC pass. Bill contacted me followed by Greald, ZS6BTD in Johannesburg. He said that our contacts had just completed his worked all continents. It was a pleasure speaking to him again. 73's Keith, ZS6TW."

The UHF frequency NA1SS is 437.55 MHz simplex when this mode is active.

This is the first time an ISS crew member has worked all 7 continents on the 430 MHz band. McArthur had previously worked all continents on 145 MHz to be the second ISS crew member to complete that feat. Mike Fincke worked all 7 during his tour as Science Officer on Expedition 9.

Be sure to send in your QSL cards so Bill can claim his award. Refer to the ARISS QSL page for information on how to QSL: http://www.rac.ca/ariss/oindex.htm#QSL's

On January 21, Ed, KL7UW; Dale, KL7XJ; and Kevin, KL0RG worked NA1SS on pass #41012 so Bill has now completed WAS from space on the 2 meter band.

Congratulations Bill and thank you for all the time you give to talk on the radio!

[ANS thanks Kenneth, N5VHO for the above information]

/EX

SB SAT @ AMSAT $ANS-022.02
AO-7 Enters Period of No Eclipse

AMSAT News Service Bulletin 022.02
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.02

AO-7 has entered into a period where it does not go into eclipse. The orbit is precessing and at this time of the year it is at (and over) the grey line on the western edge. Contrary to previous years, AO-7's orbit has precessed to the point where it does not go into an eclipse. This is the first time since it "awoke" that this has happened.

Emily Clarke, W0EEC has published some charts on the AO-7 log website that illustrate the progression over the past few years that include a chart of AO-7s eclipse durations and the latitude of when eclipse happens. You can see them at:

http://www.emilyshouse.com/experthams/ao7/Eclipse.php

Although not drawing any conclusions about mode of operation Emily states that this is going to be an interesting period, "Since AO-7 will operate in full sun without any power loss it will be interesting to see if and when it's mode changes". Comments to her directly are invited at her email via AMSAT.ORG.

Emily also wants to thank all those who have been loyal contributors to the website and indicates that the increased logging on the AO-7 log is helping to enhance the ability to collect data.

"It has been very helpful to collect information about this intrepid satellite, and hopefully the data will help enhance future designs. AO-7 is breaking the mold, and the more data we can collect the better we can improve our understanding of the space environment"

AO-7 was launched in 1974 and was a multi-national project between the US, Canada, Germany and Australia. It is the oldest operational amateur satelllite.

[ANS thanks Emily, W0EEC for the above information]

/EX

SB SAT @ AMSAT $ANS-022.03
AO-7 Control Electronics Still Functioning After 30+ Years in Space

AMSAT News Service Bulletin 022.03
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.03

With the AO-7 satellite experiencing sunlit conditions for the next several weeks radio amateurs have had an opportunity to determine additional functionality of this 30+ year old satellite. With its batteries long dead, AO-7 is only operational when its solar cells are adequately illuminated by sunlight.

John, LA2QAA noted, "After checking the log on 'The AO-7 Resource Page', I estimated the switchover between modes on AO-7 to be at approximately 08:30 UTC daily. However, on the 17th of January, I noticed the changeover happened at precisely 08:57 in the middle of a Mode-B QSO with UA9CP. I immediately switched to mode-A and carried on the QSO therby confirming the time of the mode change on that particular day. This shows that the 24 hour timer is functioning as it was designed to do 31 years ago!"

One of the AO-7 pioneers, Jan W3GEY brings us up to speed on AO-7's internal timer, "If telemetry channel 2C seems to increment about every 15 minutes then the clock is still working."

Mike, N1JEZ, AO-7 Control Operator, suggests, "So what we really want to do is monitor the telemetry and see if Channel 2C is really incrementing and that the switch occurs near 95 in the cycle. One other thing I'd like to try is to command the satellite to reset the timer. This should be fun!"

Stay tuned as more is learned of the oldest operational amateur satellite in orbit.

For more information refer to The AO-7 Resource Page at:
http://www.planetemily.com/ao7/

[ANS thanks John, LA2QAA, Jan, W3GEY and Mike, N1JEZ for the above information]

/EX

SB SAT @ AMSAT $ANS-022.04
Satellite DX is Still Happening

AMSAT News Service Bulletin 022.04
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.04

In this period prior to the launch of the next high earth orbit amateur radio satellites reports of satellite DX show that there are still exciting opportunities for long-range contacts. Timing and location are key factors.

AO-7, in a polar orbit approximately 900 miles above the earth has provided some DX. Ron, K8DID in Michigan reports that he worked Victor, YL2LW in Latvia on AO-7 in Mode B this past week. The land distance between these stations is 7316 km.

Drew, KO4MA in Florida has had a past AO-7 contact with Andre, PH7AT in the Netherlands. The land distance between these stations is 7511 km.

Andre, PH7AT says a prior AO-7 contact with Randy, WB4LHD in Tennessee is at a distance 7408 km.

[ANS thanks Emily, W0EEC for the above information]

/EX

SB SAT @ AMSAT $ANS-022.05
New Photos From the XI-V Cubesat Available

AMSAT News Service Bulletin 022.05
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.05

Mineo, JE9PEL says new photos from space from the camera aboard the XI-V cubesat can viewed on-line at:

http://www.ne.jp/asahi/hamradio/je9pel/xivpict2.htm

These photos were taken when the satellite was over Canada, 64.5053N and 99.6834W. You can see the sunrise near the earth.

[ANS thanks Mineo, JE9PEL for the above information]

/EX

SB SAT @ AMSAT $ANS-022.06
AMSAT Journal Articles Needed - Deadline Nears

AMSAT News Service Bulletin 022.06
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.06

Ed, WA4SWJ, Editor of The AMSAT Journal reminds members that the deadline for the next edition is drawing near. Ed says, "Don't forget I need your Journal articles soon. I've received a couple so far but can always use more. Time is running out. I'd like to have them by this coming Saturday if at all possible. Of course I'll take them late but that doesn't help me get it to the printer on time. Thanks for your great support!"

[ANS thanks Ed, WA4SWJ for the above information]

/EX

SB SAT @ AMSAT $ANS-022.07
Get Ready For SuitSat

AMSAT News Service Bulletin 022.07
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.07

Miles, WF1F sends the following International Space Station ARISS SuitSat Project Status Report.

ARISS to activate a new hand launched educational satellite project from the International Space station. The new educational experiment is called SuitSat. The SuitSat project is onboard the International Space Station and is being prepared for activation very soon. The SuitSat project has a tentative activation date of February 3, 2006. The SuitSat activation will take place during the ISS crew space walk. SuitSat will be a hand launched by the ISS crew during their early February SpaceWalk.

Since we have determined that the batteries in SuitSast may last only a few days, it is suggested that radio amateurs prepare now to receive the first transmissions so as not to miss out on this Historical event!
The current expected life of the SuitSat project is approximately 2 to 6 days. If you delay in setting up your station you may miss out on this educational experiment.

What is SuitSat:
In short, the crew will toss an Old spacesuit out the airlock and let it fly away as its own satellite. The Space Station crew have attached an Amateur Radio beacon transmitter to the spacesuit. The SuitSat project will broadcast telemetry and voice messages to earth for as long as the batteries last. There are no solar cells on this satellite.

Anyone with a simple FM receiver or VHF police scanner should be able to hear the signals from SuitSat on 145.99 MHz as it orbits around the earth 15 times a day.

Voice Telemetry:
The SuitSat project will be transmitting on 145.990 MHz FM and will consist of Voice Telemetry, giving Mission Time, Suit Temperature and Battery Voltage, Voice Greeting messages in multiple languages, and an SSTV image using Robot 36 format. This entire transmission cycle will repeat every 9 minutes until the batteries discharge.

SuitSat Transmitter:
The SuitSat transmitter is a Kenwood TH-K2, a small hand held radio, which will transmit a 1 watt FM signal from SuitSat on 145.990 MHz FM Downlink only. There is no uplink for this satellite.

The ARISS team is also planning on using the Kenwood D700 transceiver aboard the ISS to rebroadcast the SuitSat signal on 437.800 MHz FM. This will allow you to hear SuitSat while ISS is in range of your station.

For more specific details on the SuitSat project, please review the AMSAT and related links below.

AMSAT SuitSat information:
http://www.amsat.org/amsat-new/articles/SuitSat/

ARISS SuitSat Details:
http://www.amsat.org/amsat-new/articles/BauerSuitsat/index.php

ARISS video on SuitSat September 2005
mms://media.wmfd.com/amsat/SuitSat.wmv

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-022.08
NASA Prepares For February 3 Spacewalk

AMSAT News Service Bulletin 022.08
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.08

NASA is hosting a preview session about the next spacewalk by the International Space Station Expedition 12 crew at 2 p.m. EST, Friday, January 27 from NASA's Johnson Space Center, Houston. The event airs live on NASA TV with questions from media at participating agency locations.

The spacewalk by station Commander Bill McArthur and Flight Engineer Valery Tokarev is Feb. 3. It airs live on NASA TV with coverage starting at 4:30 p.m. EST. The six-hour spacewalk starts at 5:20 p.m. EST. (SuitSat is likely to be released during this spacewalk.)

For digital downlink information and access to NASA TV's Public Channel on the Web in RealPlayer, RealAudio, or Windows Media Player, visit:

http://www.nasa.gov/ntv

[ANS thanks NASA for the above information]

/EX

SB SAT @ AMSAT $ANS-022.09
OSCARLocator Photo Gallery Invites Contributions

AMSAT News Service Bulletin 022.09
From AMSAT HQ SILVER SPRING, MD.
January 22, 2006
To All RADIO AMATEURS
BID: $ANS-022.09

Emily, W0EEC has set up a temporary photo gallery for people to upload photos of their OSCARLocators and other early satellite tracking systems.

The gallery is located at:
http://www.emilyshouse.com/gallery/OSCARLocators

A few tips and rules:

1) To upload photos you must login (not required to view the gallery). The login is OSCAR (all upper case) and the password is seven (all lower case).

2) Before uploading photos it's a good idea to resize them to 800 x 600. This will make sure that the upload time (2min) isn't exceeded.

3) After uploading, edit the caption. Please include your name and description.

New photos are added to the end of the gallery so you might have to page back to find your upload.

This is self-policing, so if you find any uploads that are inappropriate please let me know via email (w0eec@amsat.org) so I can remedy the situation.

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, WB9JEJ
WB9JEJ at amsat dot org

26. WSR-022 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-01-23 15:32:13 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <1G6Bf.5186$vU2.352@newsread3.news.atl.earthlink.net>
Source record: 1782

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-022.S1
WSR 022 Part 1 01/22/2006

AMSAT NEWS SERVICE BULLETIN 022.S1 FROM AMSAT HQ
SILVER SPRING, MD, January 022, 2006
TO ALL RADIO AMATEURS
BID: $ANS-022.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode: PBBS - V/U
VOICE REPEATER - V-FM/U-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01222006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50 has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater
on and off within the 10 Minute window.

3) Sending the 74.4 tone again within the 10 minute window will reset the 10 minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24 hour timer that changes the mode schedule at approximately 0900z each day. The timer alternates the satellite's operational mode between Mode A and Mode B.

Please use QRP when operating on AO-7! There are no batteries, and excessive
power may cause unexpected behavior and possibly damage the satellite. Mode B users are likely to experience a Mode change from Mode B to Mode C if the buss voltage drops. This will be marked by a decrease in signal strength from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March 2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Combination Voice / Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11

Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line is
NOT translated from Russian and posted.

This off the AMSAT-BB:
There are reports that William McArthur, KC5ACR, has made contacts in Alaska
and aquired Worked All States in Space (WAS-S) on 2 meters.
[01222006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-022.S2
WSR 022 Part 2 01/22/2006

AMSAT NEWS SERVICE BULLETIN 022.S2 FROM AMSAT HQ
SILVER SPRING, MD, Jamuary 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-022.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Combination Voice / Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

This off the AMSAT-BB:
There are still reports that William McArthur, KC5ACR, still needs
Alaska to
getting Worked All States (WAS) on 2 meters. He has been active this
past
weekend on a reported frequency of 437.550Mhz.
[01152006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
[01012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - V/U
VOICE REPEATER - V-FM/U-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedule from the AO-51 Command Team:

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01222006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====

CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
GO-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-022.S3
WSR 022 Part 3 01/22/2006

AMSAT NEWS SERVICE BULLETIN 022.S3 FROM AMSAT HQ
SILVER SPRING, MD, January 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-022.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: In orbit

Uplink/Downlink: 437.250MHz - AX.25 9k6 baud or voice
Beacon: 2401.835MHz - AX.25 38k4 baud or voice

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01012006]
=====

POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)

John, KD6PAG reports on June 16, 2004 to WSR:
RS-15 beacon seemed to be back in the mode where it's a tone about 5
seconds off and then 5 seconds on this morning.

WSR is looking for more confirmations of RS-15 coming back.

[ANS-WSR thanks John, KD6PAG for RS-15 information]
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====

KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]

=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK

(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-022.S4
WSR 022 Part 4 01/22/2006

AMSAT NEWS SERVICE BULLETIN 022.S4 FROM AMSAT HQ
SILVER SPRING, MD, January 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-022.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:

Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980

[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
=====
SUITSAT ?O-??
Catalog Number:
Proposed Release Date: February 2,2006

Proposed Callsign: RS0RS ?
Proposed Transmit Frequency: 145.990
Proposed modes : FM Voice Telemetry/Greetings
FM SSTV

This from Miles Mann, WF1F:
ALL NOTE !!
Since we have just determined that the batteries in SuitSast may last
only a few days, suggest prepare now to receive the 1st transmissions so as
not to miss out on this Historical event !!!
[ANS-WSR wishes to thank Miles Mann, WF1F]
[01222006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

27. Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-27 10:09:03 UTC
From: Thierry
Message-ID: <43d9f140$1@news.vo.lu>
Source record: 1783
Cross-posted to: rec.radio.amateur.space,sci.space.station

Hi,

One of the strangest satellites in the history of the space age is about to
go into orbit. Launch date: Feb. 3rd. That's when astronauts onboard the
International Space Station (ISS) will hurl an empty spacesuit overboard.
The spacesuit is the satellite -- "SuitSat" for short, and could be heard on
145.990 FM.
Check its posiiton with NASA J-Pass tool.

Detail on
http://science.nasa.gov/headlines/y2006/26jan_suitsat.htm?list168132

Thierry, ON4SKY
--
Auteur de "Un si�cle de Physique, 1- La Physique Quantique", AEGEUS, 2005
http://www.astrosurf.org/lombry

28. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-27 11:21:04 UTC
From: gsm@mendelson.com
Message-ID: <slrndtk05f.54n.gsm@cable.mendelson.com>
Source record: 1784
Cross-posted to: rec.radio.amateur.space,sci.space.station

Thierry wrote:

> Check its posiiton with NASA J-Pass tool.

What do you do if you are NOT in the U.S.?

TIA,

Geoff.

--
Geoffrey S. Mendelson, Jerusalem, Israel gsm@mendelson.com N3OWJ/4X1GM
IL Voice: (07)-7424-1667 IL Fax: 972-2-648-1443 U.S. Voice: 1-215-821-1838
Vist my 'blog at http://geoffstechno.livejournal.com/

29. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-27 11:51:24 UTC
From: Angus Rae <Angus.Rae@ed.ac.uk>
Message-ID: <drd1fp$918$1@scotsman.ed.ac.uk>
Source record: 1785
Cross-posted to: rec.radio.amateur.space,sci.space.station

Geoffrey S. Mendelson wrote:
> Thierry wrote:
>
>> Check its posiiton with NASA J-Pass tool.
>
> What do you do if you are NOT in the U.S.?

You can still use J-Pass - why do you think it's US only? Enter your latitude and longitude, or click the "Options" button, click "Find by name" and look for your closest city on the list - it's in alphabetical order by country and then city, so you'll need to scroll down to the correct country before looking for the city.

--
Angus G Rae Science & Engineering Support Team
Computing Services
University of Edinburgh
The above opinions are mine, and Edinburgh University can't have them

30. Uxx ***Hot stuff - check this out !!! Uxx

Newsgroup: rec.radio.amateur.space
Date: 2006-01-28 17:37:32 UTC
From: tinman4 <tinman4@yahoo.com>
Message-ID: <2y1Df.60477$C%3.41869@bignews2.bellsouth.net>
Source record: 1790

http://www.kaneva.com/checkout/stream.aspx?assetId=2017&free=0

31. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-28 20:23:15 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <43dbd2ab$0$12846$ba620dc5@text.nova.planet.nl>
Source record: 1787
Cross-posted to: rec.radio.amateur.space,sci.space.station

Geoffrey S. Mendelson wrote:
> Thierry wrote:
>
>
>>Check its posiiton with NASA J-Pass tool.
>
>
> What do you do if you are NOT in the U.S.?
>
>
> TIA,
>
> Geoff.
>
>

http://www.david-taylor.pwp.blueyonder.co.uk/software/wxtrack.htm

download wxtrack and be done with it. As close to idiotproof as it gets.

32. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-29 02:43:16 UTC
From: Tater Schuld <Tater1337@yahoo.com>
Message-ID: <5ZVCf.217$Zl7.88@fe02.lga>
Source record: 1788
Cross-posted to: rec.radio.amateur.space,sci.space.station

> One of the strangest satellites in the history of the space age is about
> to go into orbit. Launch date: Feb. 3rd. That's when astronauts onboard
> the International Space Station (ISS) will hurl an empty spacesuit
> overboard. The spacesuit is the satellite -- "SuitSat" for short, and
> could be heard on 145.990 FM.

is this the audio/telemetry/ID portion or is this the ATV video frequency?
the websites i've googled say so but i thought video needed bigger bandwidth
than what 2 meter can put out.

33. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-01-29 05:23:03 UTC
From: bradvk2qq <bradvk2qq@w6ir.com>
Message-ID: <1138512183.555628.124990@g49g2000cwa.googlegroups.com>
Source record: 1789
Cross-posted to: rec.radio.amateur.space,sci.space.station

The video will be SSTV - slow scan tv, which occupies a single voice
channel.
When the time comes, I will be monitoring the signal, recording the
speech and sending any sstv pix received on to my sstv webcam at
www.vk2qq.com

34. LL Grace DSP-12 any use?

Newsgroup: rec.radio.amateur.space
Date: 2006-01-29 18:15:48 UTC
From: Rod Anderson <roda@dimensional.com>
Message-ID: <qvupt19jqrmjetohv42niluubogmqp7srq@4ax.com>
Source record: 1791

I am selling my DSP-12 on ebay. Is this TNC usable with any of the current set of satellites or is it a useless relic. I haven't used it for the last 10 years and can't answer questions about it.

Rod

35. Re: Listen to SuitSat -->PICS & INFO!!!!!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-01-29 20:10:13 UTC
From: CQ <geenmail@geenmail.net>
Message-ID: <43dbcfa7$0$12845$ba620dc5@text.nova.planet.nl>
Source record: 1786

Suit Sat will travel all over the world! (above many countries).
The speed is: 7km per second (28000km per hour).
In 1,5 hour it made a full orbit arround earth!
Suisat pictures and info: http://pd0rkc.ontwikkel.nl

73's Cor PD0RKC

"Geoffrey S. Mendelson" <gsm@mendelson.com> schreef in bericht
news:slrndtk05f.54n.gsm@cable.mendelson.com...
> Thierry wrote:
>
> > Check its posiiton with NASA J-Pass tool.
>
> What do you do if you are NOT in the U.S.?
>
>
> TIA,
>
> Geoff.
>
>
> --
> Geoffrey S. Mendelson, Jerusalem, Israel gsm@mendelson.com N3OWJ/4X1GM
> IL Voice: (07)-7424-1667 IL Fax: 972-2-648-1443 U.S. Voice:
1-215-821-1838
> Vist my 'blog at http://geoffstechno.livejournal.com/

36. WSR-029 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-02-01 13:41:16 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <0U2Ef.8948$rH5.7690@newsread2.news.atl.earthlink.net>
Source record: 1792

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-029.S1
WSR 029 Part 1 01/29/2006

AMSAT NEWS SERVICE BULLETIN 029.S1 FROM AMSAT HQ
SILVER SPRING, MD, January 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-029.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode: PBBS - V/U
VOICE REPEATER - V-FM/U-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

Feb 1
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

Feb 5
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Feb 12
QRP FM Repeater, V/U
Uplink: 145.880 mhz FM, no PL Tone
Downlink 435.150 mhz FM
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Feb 19
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 26
FM Repeater, V/U

Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01292006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM

Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24
hour
timer that changes the mode schedule at approximately 0900z each day.
The
timer alternates the satellite's operational mode between Mode A and
Mode B.

Please use QRP when operating on AO-7! There are no batteries, and
excessive
power may cause unexpected behavior and possibly damage the satellite.
Mode
B users are likely to experience a Mode change from Mode B to Mode C if
the
buss voltage drops. This will be marked by a decrease in signal
strength
from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March
2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is

NOT translated from Russian and posted.

Until Suitsat is pushed out the airlock, currently scheduled for
February 3,
the ISS packet will be turned off.
[01292006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-029.S2
WSR 029 Part 2 01/29/2006

AMSAT NEWS SERVICE BULLETIN 029.S2 FROM AMSAT HQ
SILVER SPRING, MD, Jamuary 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-029.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

Until Suitsat is pushed out the airlock, currently scheduled for
February 3,
the ISS packet will be turned off.
[01292006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
[01012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - V/U
VOICE REPEATER - V-FM/U-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM

Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedule from the AO-51 Command Team:

Feb 1
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

Feb 5
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Feb 12
QRP FM Repeater, V/U
Uplink: 145.880 mhz FM, no PL Tone
Downlink 435.150 mhz FM
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Feb 19
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 26
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01292006]
=====

NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
GO-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html

[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

Users of OSCAR-11 may be interested in recent additions to my website.
Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and
may be used instead of CTERM. It features an accurate time stamp
facility,
which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include
all
the 2005 data. The URL is http://www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on
145.826 MHz. has been heard from 23 to 31 December and from 11 to 21
January.

Signals during the December passes were very variable. Sometimes
received at
good strength, at other times they were inaudible , even with the BFO
switch-

ed ON (ie. in CW mode). Signals during the January passes tended to be much
stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21 January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09 December. However, the rate of change of clock error appears to vary between
zero and half an hour per day, over short periods. The greatest changes seem
to correspond with poor signals, which suggests that the clock may slow or
stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite,
instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle, ie. approximately ten days ON followed by 10 days OFF. However, at
any time, poor solar attitude, and battery problems, may result in a low 14
volt line supply, which may cause the beacon to switch OFF prematurely, and
reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There
is software for capturing data, and decoding ASCII telemetry. The URL is
www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.

[01292006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-029.S3
WSR 029 Part 3 01/29/2006

AMSAT NEWS SERVICE BULLETIN 029.S3 FROM AMSAT HQ
SILVER SPRING, MD, January 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-029.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1

webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]

=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:

http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
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SB SAT @ AMSAT <W8ISS $ANS-029.S4
WSR 029 Part 4 01/29/2006

AMSAT NEWS SERVICE BULLETIN 029.S4 FROM AMSAT HQ
SILVER SPRING, MD, January 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-029.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??

Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980
[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
=====
SUITSAT ?O-??
Catalog Number:
Proposed Release Date: February 3,2006

Proposed Callsign: RS0RS
Proposed Transmit Frequency: 145.990
Proposed modes : FM Voice Telemetry/Greetings
FM SSTV

[01292006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)

* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

37. ANS-029 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-02-01 13:41:21 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <5U2Ef.8949$rH5.1378@newsread2.news.atl.earthlink.net>
Source record: 1793

AMSAT NEWS SERVICE
ANS-029

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

***** AMSAT 2006 Space Symposium *****
The AMSAT web team has posted informational pages on the AMSAT web site.
You can find the announcement with many links at:
http://www.amsat.org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

****

In this edition:

* SuitSat to be deployed Feb. 3rd
* ISS Contacts West Point
* Ship to be named USS Alan Shepard
* OSCAR-11 Report
* ARISS Status January 23, 2006

SB SAT @ AMSAT $ANS-029.01
SuitSat Release on February 3 - Are You Ready?

AMSAT News Service Bulletin 029.01
>From AMSAT HQ SILVER SPRING, MD.
January 29, 2006
To All RADIO AMATEURS
BID: $ANS-029.01

Frank Bauer, KA3HDO, who is the ARISS International Chairman and AMSAT's V.P. for Human Spaceflight Programs, reminds us if all goes well, SuitSat will be deployed in 5 days. Are you ready?

Have you talked to a school in your area about SuitSat? Or a student group? Is your SSTV receive capability ready for the challenge?

SuitSat will be deployed during a Russian EVA scheduled to take
place on Friday, February 3 at approximately 22:20 UTC. NASA TV
will provide live coverage starting at 21:30 UTC. For digital
downlink information and access to NASA TV's Public Channel on
the Web in RealPlayer, RealAudio, or Windows Media Player formats,
visit http://www.nasa.gov/ntv.

Russian Cosmonaut Tokarev will carefully jettison SuitSat-1 by pushing
the suit away at about a 30-degree angle upward and about 10 degrees
to the left of the back of the station.

Once activated, those who hear SuitSat transmissions on 145.99 MHz
are asked to enter their realtime data on the SuitSat website,
http://www.suitsat.org/ so that participants around the world can
track the satellite.

Educational Outreach reports (at schools or informal education
sites) as well as Slow Scan TV images can be sent to
suitsat@comcast.net. This information will be compiled by the
ARISS team.

Other information on SuitSat can be found on:

http://www.amsat.org (includes a countdown timer to SuitSat release)
http://www.rac.ca/ariss
http://www.issfanclub.com
http://http://www.amsat.org/amsat/archive/sarex/48hour/threads.html

NASA Education Website information for students:
http://www.nasa.gov/audience/forstudents/k-4/home/index.html
http://www.nasa.gov/audience/forstudents/5-8/features/index.html
http://www.nasa.gov/audience/forstudents/9-12/features/index.html
http://www.nasa.gov/audience/forstudents/postsecondary/features/index.html

SuitSat-1, called Radioskaf or Radio Sputnik in Russian, is sponsored
by ARISS (Amateur Radio on the International Space Station), an
international working group made up of volunteers from national amateur
radio societies, including the Radio Amateur Satellite Corporation.

The Russian space company, Energia, led the development of SuitSat and
has trained the crew for the deployment mission.

[ANS thanks Frank, KA3HDO and the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-029.02
ISS Contacts West Point

AMSAT News Service Bulletin 029.02
>From AMSAT HQ SILVER SPRING, MD.
January 29, 2006
To All RADIO AMATEURS
BID: $ANS-029.02

Last January 26th, The ISS conducted a QSO with the U.S. Military
Academy, West Point. Cmdr. Bill McCarthur talked with his "Alma Mater"
at 13:13 UTC. An interesting contact sparking interest in space flight
with many Corp Cadets.
Bill has been quite active and using his time well to communicate with
many during his spare time. He even has completed WAS and WAC from the ISS.
ARISS offers an opportunity for students to experience the excitement of
Amateur Radio by talking directly with crewmembers on-board the
International Space Station. Teachers, parents and communities see,
first hand, how Amateur Radio and crewmembers on ISS can energize
youngsters' interest in science, technology, and learning. Further
information on the ARISS program is available on the website
http://www.rac.ca/ariss
(graciously hosted by the Radio Amateurs of Canada).

Thank you & 73,
Kenneth - N5VHO

[ANS thanks Ken, N5VHO, for the above information]

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SB SAT @ AMSAT $ANS-029.03
Ship to be named USS Alan Shepard

AMSAT News Service Bulletin 029.03
>From AMSAT HQ SILVER SPRING, MD.
January 29, 2006
To All RADIO AMATEURS
BID: $ANS-029.03

The following article was in the The EAGLE-TRIBUNE
Newspaper(N.Andover,Ma) and reprinted with their permission.

Ship to be named USS Alan Shepard
By John Basilesco
Staff writer
DERRY, N.H. -- A new U.S. Navy ship will be named the USS Alan
Shepard in honor of the accomplished Derry native and first American in
space. The Navy will name the vessel, which is about to be built,
after the famous astronaut, who grew up in East Derry and graduated
from Pinkerton Academy.
The 1,000-foot combat support ship will be built in San Diego and
delivered to Navy by March 2007. U.S. Sens. Judd Gregg and John
Sununu and Congressmen Charles Bass and Jeb Bradley, all of New
Hampshire, made the announcement yesterday. "I think it's great,''
said state Rep. George Katsakiores, R-Derry. "It's quite an honor
to have a ship named after you; it's a national honor.''
Katsakiores, 82, attended Pinkerton Academy with Shepard. "I knew him
very well because he used to live in East Derry and his sister,
Pauline, was in my class at Pinkerton,'' Katsakiores said.
Shepard graduated in 1940 and Katsakiores graduated in 1942.
Katsakiores recalls having a full house at his bar and restaurant in

Derry in 1961 with everyone glued to a 10-inch black-and-white television watching Shepard blast off into space. "We applaud the Navy's decision to honor the legacy and contributions of New Hampshire's native son Alan Shepard Jr. by naming one of the new combat support ships after him,'' Gregg, Sununu, Bass and Bradley said in a joint statement.
"Alan Shepard led a distinguished career in the U.S. Navy and at NASA, and naming a ship after him will be a fitting tribute to one of the nation's greatest pilots and astronauts. The USS Alan Shepard will play an important role in providing for our Navy's readiness and allow the Navy to maintain a forward presence in the 21st Century.''
Along with distinguishing himself as a pioneer in America's efforts to explore space, Shepard was one of only 12 Americans to walk on the moon. Following his 1961 space flight, Shepard battled an inner ear disorder before soaring back into space in 1974 as commander of the Apollo 14 mission to the moon. He spent 33 hours on the moon during this third lunar landing mission and became the only lunar golfer.
He died from leukemia at the age of 74 in 1998 while living in Houston, Texas. Three years later, he was honored on the 40th anniversary of his historic space flight when the Derry post office on Tsienneto Road was named the Alan B. Shepard Jr. Post Office Building. A section of Interstate 93 is also named after him. The combat support ship will deliver supplies, transfer cargo and provide logistic support to other Navy vessels.

[ANS thanks Arthur, N1ORC, for the above information]

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SB SAT @ AMSAT $ANS-029.04
OSCAR 11 Report
January 23, 2006

AMSAT News Service Bulletin 029.04
>From AMSAT HQ SILVER SPRING, MD.
January 29, 2006
To All RADIO AMATEURS
BID: $ANS-029.04

OSCAR-11 REPORT

24 January 2006

Users of OSCAR-11 may be interested in recent additions to my website. Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and may be used instead of CTERM. It features an accurate time stamp facility, which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include all the 2005 data. The URL is www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on 145.826 MHz. has been heard from 23 to 31 December and from 11 to 21

January.

Signals during the December passes were very variable. Sometimes received at good strength, at other times they were inaudible , even with the BFO switched ON (ie. in CW mode). Signals during the January passes tended to be much stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21 January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09 December. However, the rate of change of clock error appears to vary between zero and half an hour per day, over short periods. The greatest changes seem to correspond with poor signals, which suggests that the clock may slow or stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed. The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite, instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle, ie. approximately ten days ON followed by 10 days OFF. However, at any time, poor solar attitude, and battery problems, may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle.

The Beacon frequencies are -
VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.

73 Clive G3CWV

[ANS thanks Clive, G3CWV, for the above information]

/EX

SB SAT @ AMSAT $ANS-029.05
ARISS Status

January 23, 2006

AMSAT News Service Bulletin 029.05
>From AMSAT HQ SILVER SPRING, MD.
January 29, 2006
To All RADIO AMATEURS
BID: $ANS-029.05

ARISS Status
January 23, 2006

1. Georgia Tech Contact Successful

On January 19, eight students from Georgia Tech in Atlanta, Georgia had the opportunity to speak with alumnus Bill McArthur, KC5ACR. Fifteen questions were asked and answered as at least 100 visitors gathered in the campus theater to listen in. Campus news organizations covered the event, as did the local CBS and FOX affiliates, and campus radio station WREK carried the contact live and streamed audio on its website. Announcements of the event on local nets allowed other radio operators in the area to listen in. Radio coordinator Alexander Carver remarked, "Needless to say we all had a blast. Everyone walked out of the room with a grin from ear to ear. It's not often we get to speak to an alum 200 miles straight up."

2. ARRL Article on Peterson, St. Albert School Contacts

ARRL ran an article covering the Peterson Elementary School and St Albert the Great School contacts. "ISS Commander Visits Home via Ham Radio, Talks Space Trash with Ohio Kids" may be found at: http://www.arrl.org/news/stories/2006/01/19/1/?nc=1

3. McArthur Completes "Worked All States"

Bill McArthur, KC5ACR, worked a station in Alaska over the weekend, completing his Worked All States award. He continues to pursue his DXCC award, having worked 68 countries as of January 17, and is looking for more - including those in the Caribbean.

4. SuitSat Receives Media Attention

Aviation Week and Space Technology, the premier U.S. Weekly aviation and space magazine read by thousands of engineers and leaders, worldwide, in the aerospace field, is planning to publish an article on SuitSat. ARISS Chairman Frank Bauer provided his SuitSat paper to the publication for background information on the satellite. The article is expected to run in the next week or two.

AMSAT SM (Sweden) has posted a SuitSat article on its website with links to sites with other SuitSat information including video, papers, and articles. See: http://www.amsat.se/cgi-bin/main/index.pl

The ARRL Journal published a SuitSat article this month which intrigued scouts attending the annual Boy Scouts Radio Merit Badge Day at the

Sarnoff Corporation HQ in Princeton, NJ. The Scouts were very excited about the upcoming satellite and many expressed an interest not only in the project, but also in becoming licensed radio amateurs.

5. SuitSat EVA and Website

SuitSat will be deployed during a Russian EVA scheduled to take place on Friday, February 3 at approximately 22:20 UTC. Once activated, those who hear SuitSat transmissions are asked to enter their data on the SuitSat website, www.suitsat.org so that participants around the world can track the satellite. Educational Outreach reports (at schools or informal education sites) as well as Slow Scan TV images can be sent to suitsat@comcast.net. This information will be compiled by the ARISS team.

6. Astronaut Training Status

On Wednesday, January 11, astronaut Garrett Reismann took and passed his amateur radio license exam. He has been issued the callsign KE5HAE.

On January 17, Clay Anderson, KD5PLA, attended a one hour refresher session with Kenneth Ransom at JSC. The session covered school contact procedures, general operating practices, and some hands on time spent practicing with the on board training hardware.

7. ARRL Article on Upcoming AMSAT Meeting

On January 18, ARRL ran a story on the AMSAT - ARISS joint meetings to be held in October. To view, "AMSAT Space Symposium set for October," go to: http://www.arrl.org/

8. Space Day 2006

AMSAT has again been invited to set up an activity center at the Space Day event to be held at the Steven F. Udvar-Hazy Center on Friday, May 5. The theme this year is "Living and Working on the Moon." AMSAT hosted a station last year which included an ARISS display, and representatives were on hand to distribute ARISS lithographs and answer questions.

[ANS thanks Carol, KB3LKI, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Dee Interdonato, NB2F
nb2f at amsat dot org

38. ANS-032 AMSAT News Service SuitSat Special Edition

Newsgroup: rec.radio.amateur.space
Date: 2006-02-01 13:41:26 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <aU2Ef.8950$rH5.8143@newsread2.news.atl.earthlink.net>
Source record: 1794

AMSAT NEWS SERVICE
ANS-032

****
****
** SPECIAL SUITSAT EDITION **
****
****

This special edition of ANS is a free news and information service of
AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports
on the activities of a worldwide group of Amateur Radio operators who
share an active interest in designing, building, launching and communicating
through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this special edition:

* Two More Days Until SuitSat!
* Commemorative SuitSat QSL Certificate Will Be Available
* Amateur Radio Performs Key Role in SuitSat's Main Mission
* Area Coordinator Makes Educational Outreach Materials Available On-line
* ISS Packet Turned Off for Duration of SuitSat
* ISS Cross-Band Repeater May Relay SuitSat Signals on 437.800 MHz
* How to Receive SuitSat's SSTV Image
* SuitSat Web Link Compendium

SB SAT @ AMSAT $ANS-032.01
Two More Days Until SuitSat!

AMSAT News Service Bulletin 032.01
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.01

Frank Bauer, KA3HDO, who is the ARISS International Chairman and
AMSAT's V.P. for Human Spaceflight Programs, reminds us if all
goes well, SuitSat will be deployed in 2 days. Are you ready?

SuitSat will be deployed during a Russian EVA scheduled to take
place on Friday, February 3 at approximately 22:20 UTC. NASA TV
will provide live coverage starting at 21:30 UTC. For digital
downlink information and access to NASA TV's Public Channel on
the Web in RealPlayer, RealAudio, or Windows Media Player formats,

visit http://www.nasa.gov/ntv.

Once the crew is outside on their EVA, they turn all three switches on the control box to the ON position and deploy the spacesuit from ISS. About eight minutes after the crew flips the three switches the Kenwood transmitter will power up. About eight minutes after that, the first voicetelemetry message will be transmitted and SuitSat operations begin! This 16 minute delay is a crew safety measure.

Next, Russian Cosmonaut Tokarev will carefully jettison SuitSat-1 by pushing the suit away at about a 30-degree angle upward and about 10 degrees to the left of the back of the station.

Once activated, those who hear SuitSat transmissions on 145.99 MHz are asked to enter their realtime data on the SuitSat website, http://www.suitsat.org/ so that participants around the world can track the satellite.

When first released SuitSat will be in pretty much the same orbit as the International Space Station. This means initially the ISS tracking parameters can also be used to track SuitSat. SuitSat will not have any thrust to maintain its orbit so it will begin to reenter the Earth's atmosphere after a few weeks. As SuitSat's orbit decays it will "fall" closer to Earth. As the days go by, SuitSat's lower orbit will begin to lead the ISS orbit so you will need to begin listening a few minutes earlier than when the ISS is predicted to come over your location.

You can track the location of the ISS on the AMSAT website at:
http://www.amsat.org/amsat-new/tools/predict/satloc.php?lang=en&satellite=IS
S

You can also get a listing of ISS passes at:
http://www.amsat.org/amsat-new/tools/predict/
Just enter your location and select the ISS.

Educational Outreach reports (at schools or informal education sites) as well as Slow Scan TV images can be sent to suitsat@comcast.net. This information will be compiled by the ARISS team.

[ANS thanks Frank, KA3HDO and the ARISS Team for the above information]

/EX

SB SAT @ AMSAT $ANS-032.02
Commemorative SuitSat QSL Certificate Will Be Available

AMSAT News Service Bulletin 032.02
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.02

Students, scouts, teachers, ham radio operators, and the general public are encouraged to track the space suit, hear the conversations from space, copy the suit telemetry and capture the picture.

There will also be a special endorsement on the award certificate for those students who receive the "special words" that are embedded in the messages from our SuitSat student "crew members." These special words are in different languages - English, French, German, Spanish, Russian, and Japanese. You are encouraged to record the SuitSat downlink audio and get help from fellow students who know these languages.

Radio Amateurs, students and teachers who hear SuitSat should send their signal reports with a large (9x12 inch) self-addressed stamped envelope to one of these addresses listed below:

* USA: ARRL Headquarters
SuitSat QSL
225 Main Street
Newington, CT 06111-1494 USA

* Canada: Radio Amateurs of Canada
SuitSat QSL
720 Belfast Road
Suite 217 Ottawa Ontario K1G 0Z5

* Europe: F1MOJ - Mr CANDEBAT Christophe
SuitSat Europe QSL Manager
7 Rue Roger Bernard
30470 AIMARGUES FRANCE

* Japan: SuitSat Japan QSL
JARL International Section
Tokyo 170-8073 JAPAN

* Russia: Alexander Davydov, RN3DK
Novo - Mytishchinsky prospekt 52 - 111
Mytishchi 18
Moskovskaya obl. 141018, RUSSIA

* Other Countries: Please use the US or Canadian address above.

Also included in this spacesuit is a computer Compact Disk (CD) with images of over 300 items collected from schools and educational organizations around the world. These include creative works of art from students as well as student signatures, school or scout logos, and class or group pictures. Students, schools and educational organizations that participated in the development of this disk earlier this year will all be part of the SuitSat spacewalk---as their creative works, signatures and pictures all float in space!

[ANS thanks the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-032.03
Amateur Radio Performs Key Role in SuitSat's Main Mission

AMSAT News Service Bulletin 032.03
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.03

The idea for SuitSat was first conceived by the ARISS-Russia team, led by Sergey Samburov, RV3DR, and was extensively discussed at the joint AMSAT Symposium/ARISS International Partner meeting in October 2004. The project, is being led by project manager A. P. Alexandrov and Deputy Project Manager A. Poleshuk from RSC Energia, located in Korolev (Moscow area) Russia. The project was developed primarily by a joint US/Russian team. On the US side, the hardware project development was led by AMSAT member Lou McFadin, W5DID.

The official name for this mission is SuitSat-1, also called Radioskaf or Radio Sputnik in Russian. SuitSat-1 is the first live test of using the old spacesuits as inexpensive on-orbit platforms for instrumentation, space photography, telemetry, and communications.

Exposed to the full rays of the sun in space will SuitSat be able to operate in these extreme conditions? How will communications be affected if SuitSat begins to tumble? How long will the batteries last? Amateur Radio will be pioneering the answers to these questions in the days to come.

An additional benefit is the opportunity to bring space science into the classroom.

[ANS thanks ARISS-Russia and Energia for the above information]

/EX

SB SAT @ AMSAT $ANS-032.04
Area Coordinator Makes Educational Outreach Materials Available On-line

AMSAT News Service Bulletin 032.04
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.04

Pat Kilroy, N8PK and David Bern, W2LNX provided a well received educational mission this past week to Parkland Middle School in the Washington, DC area. Included below is Pat's documentation which can be used with NASA and AMSAT materials for SuitSat educational opportunities in the coming days.

Also included are photos from the school visit.

SUITSAT: A Special (and Brief) Opportunity
Updated January 25, 2006

Original material is at: http://www.patkilroy.com/amsat-dc/

An old Russian space suit will be tossed off of the ISS during a spacewalk on February 3, 2006 (or after). The suit will be empty inside except for radio gear assembled for a special occasion.

Transmitting nearly continuously, kids around the world will enjoy its spoken messages over the life of the batteries, designed to last for a few days, perhaps a week.

The "SuitSat" will co-orbit with the space station for a while. Atmospheric drag will drift it into "its own" orbit, a decaying one, and will gradually warm up the suit and the stuff inside.

Listen for the 8-minute cycle of announcements when it flies over-head. You will hear "spoken" MET in minutes, the inside temperature in degrees C (not F) and battery voltage telemetry, pre-recorded greetings in multiple languages, a single "cell phone quality" SSTV picture frame in Robot-36 mode, as well as the voice ID on 145.990 MHz FM at 500 mW into its low-gain omni antenna.

SuitSat will re-enter the atmosphere in a few weeks, long after the batteries run dry. Time is of the essence and you ought to prepare now for this unique and fun experiment.

You may download a 6-page color document by Gould Smith, WA4SXM, and Steve Bible, N7HPR, (600 KB in PDF, dated November 5, 2005) at http://www.patkilroy.com/amsat-dc/SuitSat%20-%20A%20Unique%20Satellite.pdf

This has a full description of the event, additional technical details and several great photos. Go to the main AMSAT-NA web site for additional descriptions, late breaking news, and tracking data updated daily after SuitSat is deployed.

For lighter reading you may download a copy of a NASA press release written for kids:
http://www.patkilroy.com/amsat-dc/NASA_SuitSat_kids.pdf

Kids are welcome to take this copy to their school to ask permission to listen for SuitSat during class time. In addition to this press release, a sheet of technical details and the schedule for a televised (and webcast) press conference is offered for their teacher or mentor at: http://www.patkilroy.com/amsat-dc/ANS%20SuitSat%202006-0122pk.pdf

Enjoy these three documents. Each one has links noted where you can get updated information.

For those Amateur Radio operators in the greater Maryland and D.C. area, PLEASE REPORT YOUR OBSERVATIONS to us on the amsat-dc mail list. Of special interest to me are results of antenna A/B tests (omni vs. yagi reception) and your results of Doppler compensation (of how valuable it is or was or was not for the SuitSat experiment). Did you bother to make an audio recording of a pass? WAV or mp3? Any students involved? K-5, 6-8, 9-12, college, family, club or general public demo?

Get this into the schools! PASS THE WORD about this special event to other radio amateurs so they can prepare their station and share the news further.

Have fun!

Sincerely,

Pat Kilroy, N8PK
AMSAT Area Coordinator
Greater MDC Area

[ANS thanks Pat, N8PK for the above information]

/EX

SB SAT @ AMSAT $ANS-032.05
ISS Packet Turned Off for Duration of SuitSat

AMSAT News Service Bulletin 032.05
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.05

For the duration of the SuitSat project, the ISS packet mode will be turned OFF. Please do not transmit any packet or voice data on 145.990 MHz which is also the SuitSat down link frequency.

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.06
ISS Cross-Band Repeater May Relay SuitSat Signals on 437.800 MHz

AMSAT News Service Bulletin 032.06
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.06

There is a possibility that the ISS Kenwood D700 may be configured to act as a telemetry cross band repeater for the SuitSat project.

The Russian team is working on the details to program the D700 to retransmit the telemetry from the SuitSat via 437.800 MHz FM. The reason for the rebroadcast is to extend the listening range of the SuitSat project.

When SuitSat is launched, it will be flying very close to the ISS. As the days go by, the distance between the two satellites will gradually increase to hundreds of miles. SuitSat will eventually lead the ISS by several minutes.

The cross band telemetry mode can in theory double the listening
range of the SuitSat project. The 2-6 day battery life of the
SuitSat will be the actual limiting factor of this project.

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.07
How to Receive SuitSat's SSTV Image

AMSAT News Service Bulletin 032.07
From AMSAT HQ SILVER SPRING, MD.
February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.07

Slow Scan Television, or SSTV, is a method used by Amateur Radio
stations to send JPG still images around the world. SSTV translates
the picture information in an audio format suitable for transmission
by radio.

The SuitSat project will transmit telemetry, pre-recorded voice messages
and one SSTV image using the Robot 36 format. The message cycle will
repeat approximately every 9 minutes.

To view the SSTV image you will need to connect your computer to the
speaker of your radio. Your computer will require SSTV decoding software
available from the sources below:

ChromaPix
http://www.barberdsp.com/

W95SSTV by Silicon Pixels
http://www.barberdsp.com/w95sstv/w95dload.htm

MMSSTV
http://mmhamsoft.ham-radio.ch/

Start with this web page to help you learn more about Slow Scan TV:
http://www.marexmg.org/fileshtml/sstvlinkpage.html

For tips on how to use SSTV, Packet and Voice via the ISS see:
http://www.marexmg.org/fileshtml/howtouseiss.html

Excellent information with links to SSTV software downloads can be
found on W2MU's SSTV Page: http://www.qsl.net/wm2u/sstv.html

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-032.08
SuitSat Web Link Compendium

AMSAT News Service Bulletin 032.08
From AMSAT HQ SILVER SPRING, MD.

February 1, 2006
To All RADIO AMATEURS
BID: $ANS-032.08

Here is a summary of the key web pages that were contained within the
SuitSat on-line messages of the past month.

SuitSat overview and project status:
www.amsat.org
www.rac.ca/ariss
http://www.suitsat.org/
www.issfanclub.com
http://www.amsat.org/amsat/archive/sarex/48hour/threads.html

NASA Education Website information for students:
http://www.nasa.gov/audience/forstudents/k-4/home/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/5-8/features/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/9-12/features/F_Hearing_Voices_From
_Space.html
http://www.nasa.gov/audience/forstudents/postsecondary/features/F_Hearing_Vo
ices_From_Space.html

NASA on-orbit photos of SuitSat preparation for deployment:
http://spaceflight.nasa.gov/gallery/images/station/crew-12/ndxpage16.html
http://spaceflight.nasa.gov/gallery/images/station/crew-12/ndxpage17.html

NASA Science press release:
http://science.nasa.gov/headlines/y2006/26jan_suitsat.htm?list791066

The SuitSat press release picked up by the on-line science press with
plenty of positive coverage for amateur radio in space:
http://www.universetoday.com/am/publish/suitsat_satellite.html?2612006
http://www.spacedaily.com/reports/SuitSat_To_Be_Thrown_Overboard_February_3.
html
http://www.space.com/missionlaunches/060127_exp13_eva2_prep.html
http://science.slashdot.org/

Link to NASA TV Webcasts:
http://www.nasa.gov/ntv

From the Energia Web Site:
http://www.energia.ru/english/energia/iss/researches/techn-35.html

AMSAT-UK Stories on SuitSat:
http://www.southgatearc.org/

New York Times article on SuitSat:
http://www.nytimes.com/2006/01/28/science/28suit.html?_r=1

[ANS thanks the ARISS Team for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
Editor for the SuitSat Special Edition,
JoAnne Maenpaa, WB9JEJ
WB9JEJ at amsat dot org

39. SuitSat Launch February 3rd live

Newsgroup: rec.radio.amateur.space
Date: 2006-02-03 16:12:18 UTC
From: 22ecs553stm71di@jetable.net
Message-ID: <1138983138.238409.235550@g49g2000cwa.googlegroups.com>
Source record: 1795
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

On the 3rd of February the strangest satellite ever constructed will be launched into orbit by astronauts on board the International Space Station (ISS). The satellite, called SuitSat, is an empty old spacesuit.

SuitSat will be deployed during a Russian EVA scheduled to take place on Friday, February 3 at approximately 22:20 UTC. NASA TV will provide live coverage starting at 21:30 UTC. (Link on website)

Website: http://amateur-radio.shorturl.com

- video Expedition 12 Preps for Second Spacewalk - SuitSat
- Suitsat Reports forum
- audio file Suitsat story

Submit Suitsat reports into forum: http://amateur-radio.shorturl.com
Mail photo's, telemetry audio files to: 22ecs553stm71di@jetable.net for use on website

73,

40. Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 05:32:02 UTC
From: 22ecs553stm71di@jetable.net
Message-ID: <1139031122.691863.70310@o13g2000cwo.googlegroups.com>
Source record: 1796
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

ISS 12 Crew McArthur and Tokarev deployed SuitSat, an old Russian
spacesuit with an amateur radio transmitter.

Video:
http://amateur-radio.shorturl.com/index.php?option=com_content&task=view&id=12&Itemid=31

73,

41. Re: Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 09:12:51 UTC
From: B S Expert <jim.gm4dhj@ntlworld.com>
Message-ID: <ne_Ef.38847$0N1.5569@newsfe5-win.ntli.net>
Source record: 1797
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

<22ecs553stm71di@jetable.net> wrote in message
news:1139031122.691863.70310@o13g2000cwo.googlegroups.com...
> ISS 12 Crew McArthur and Tokarev deployed SuitSat, an old Russian
> spacesuit with an amateur radio transmitter.
>
> Video:
> http://amateur-radio.shorturl.com/index.php?option=com_content&task=view&id=12&Itemid=31
>
> 73,
>

..am I bobered ?

42. Re: Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 09:47:23 UTC
From: Gordon Hudson <gordon@usenet3.hostroute.co.uk>
Message-ID: <43e4782d$0$1168$5a6aecb4@news.aaisp.net.uk>
Source record: 1798
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

```
"B S Expert" <jim.gm4dhj@ntlworld.com> wrote in message
news:ne_Ef.38847$0N1.5569@newsfe5-win.ntli.net...
>
> <22ecs553stm71di@jetable.net> wrote in message
> news:1139031122.691863.70310@o13g2000cwo.googlegroups.com...
>> ISS 12 Crew McArthur and Tokarev deployed SuitSat, an old Russian
>> spacesuit with an amateur radio transmitter.
>>
>> Video:
>>
http://amateur-radio.shorturl.com/index.php?option=com_content&task=view&id=12&Itemid=31
>>
>> 73,
>>
>
> ..am I bobered ?

I see lots of people at desks.
```

43. FREE HAM Tips & Software

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 11:31:58 UTC
From: "Jerry L. Withers" <jwithers6@cox.net>
Message-ID: <QI0Ff.12517$eR.3048@fed1read03>
Source record: 1799

Visit my web site at http://www.nvham.net for details on how to get FREE
Amatuer Radio related tips, information, event updates, software, and more!

44. Re: Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 13:26:26 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006020408263375249%growl@tummycom>
Source record: 1800
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

On 2006-02-04 00:32:02 -0500, 22ecs553stm71di@jetable.net said:

> ISS 12 Crew McArthur and Tokarev deployed SuitSat, an old Russian
> spacesuit with an amateur radio transmitter.
>
> Video:
> http://amateur-radio.shorturl.com/index.php?option=com_content&task=view&id=12&Itemid=31

73,

That
>
is too damn cool! Thanks!

45. Re: Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 16:41:24 UTC
From: B S Expert <jim.gm4dhj@ntlworld.com>
Message-ID: <UO4Ff.3562$Dn4.1586@newsfe3-gui.ntli.net>
Source record: 1801
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

> is too damn cool! Thanks!
>

This must be a new meaning of the word cool hitherto unheard of......

46. SUITSAT received on Africa (audio file).

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 16:56:00 UTC
From: CQ <geenmail@geenmail.net>
Message-ID: <43e4dca1$0$2015$ba620dc5@text.nova.planet.nl>
Source record: 1802

Hello All,

Keith (ZS6TW) received at 4 februari (12:45UTC) SUITSAT on 50 degrees
elevation.
Keith could hear Russian language from SUITSAT.
The equipment ZS6TW used:
Transceiver: Yaesu FT-847
Antennas: 2 X F9FT 17 elements yagis (16dBd gain).
Keith reported that it is importand to use FM narrow to
receive the weak (narrow) signals out the noise (doppler correction is
requered!!!).
He received SUITSAT at the same place as ISS, so the
Suitsat was (at 4 februari 12:45UTC) not far behind the ISS.

The audio file is for public use so spread arround the world!

73's Keith ZS6TW
The audio file you can download from PD0RKC website:
http://pd0rkc.ontwikkel.nl

47. Re: Video - ISS 12 Crew McArthur and Tokarev deployed SuitSat,

Newsgroup: rec.radio.amateur.space
Date: 2006-02-04 19:41:08 UTC
From: Kate <vk4xyl2@optusnet.com.au>
Message-ID: <43e50334$0$15125$afc38c87@news.optusnet.com.au>
Source record: 1803
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc,nl.radio.amateur

B S Expert translated the ancient runes thusly:

>
>> is too damn cool! Thanks!
>>
>
> This must be a new meaning of the word cool hitherto unheard of......

Possibly the original meaning, concerning temperature. SuitSat froze and
its batteries froze up on its second orbit. Now *that* is cool! In
fact, downright bloody cold!

Kate vk4xyl
--
ï¿½With the breakdown of the former Soviet empire America has lost its
example of what not to be, and is rapidly becoming that which it
despised.ï¿½ -- Jase

48. SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 07:20:14 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <OGhFf.7408$tb3.6525@newssvr24.news.prodigy.net>
Source record: 1804

So what's the overall verdict on SuitSat? Waste of time? Include a heater next time?

49. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 08:23:25 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <1CiFf.7792$ln4.1224@trnddc06>
Source record: 1805

I just listened to the pass across my area and heard nothing. I even recorded the baseband audio for later processing but it really didn't sound like anything to process:-(

I think I will wait until the next pass at around 4am and see if results are any better. Bad part is, I'm surrounded by mountains and it has to be pretty high in elevation for me to hear it.

Good luck to all,
Rod

P.S. They have reported it's FAR weaker than expected, but it is doing it's thang so keep trying!!!

"Barky Bark" <barkybark@bonksbcglobal.net> wrote in message news:OGhFf.7408$tb3.6525@newssvr24.news.prodigy.net...
> So what's the overall verdict on SuitSat? Waste of time? Include a heater
> next time?
>
>

50. Expedition 12 EVA Videos

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 09:18:58 UTC
From: qwerty666@alexandria.cc
Message-ID: <1139131138.204747.283390@g44g2000cwa.googlegroups.com>
Source record: 1806
Cross-posted to: uk.radio.amateur,aus.radio.amateur.misc,rec.radio.amateur.space,rec.radio.amateur.misc

- McArthur and Tokarev deployed SuitSat, an old Russian spacesuit
with an amateur radio transmitter. (1)

- 45 minutes video of EVA (2)

- 36 minutes video of EVA (3)

- ISS Expedition 12 EVA full Coverage (download)

http://space-tv.subdomain-service.de/index.php?option=com_content&task=view&id=69&Itemid=2

John

51. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 10:02:13 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <F2kFf.3749$xs4.2869@trnddc01>
Source record: 1807

No soap on the 4am pass either;-(
This time I set up to record the baseband on the left channel and the
speaker audio on the right channel.
Unfortunately, nothing was heard.

luck to all,
RoD

Oh well, Maybe I will hear the next suit they throw overboard. ;-)

"stargatesg1" <me@verizon.net> wrote in message
news:1CiFf.7792$In4.1224@trnddc06...
> I just listened to the pass across my area and heard nothing. I even
> recorded the baseband audio for later processing but it really didn't
sound
> like anything to process:-(
>
> I think I will wait until the next pass at around 4am and see if results
are
> any better. Bad part is, I'm surrounded by mountains and it has to be
pretty
> high in elevation for me to hear it.
>
> Good luck to all,
> Rod
>
> P.S. They have reported it's FAR weaker than expected, but it is doing
it's
> thang so keep trying!!!
>
>
> "Barky Bark" <barkybark@bonksbcglobal.net> wrote in message
> news:OGhFf.7408$tb3.6525@newssvr24.news.prodigy.net...
> > So what's the overall verdict on SuitSat? Waste of time? Include a
> heater
> > next time?
> >
> >
>
>

52. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 13:56:31 UTC
From: James <jnipperxxx@nospamfdn.com>
Message-ID: <PO6dnUtW5daQmXvenZ2dnUVZ_t-dnZ2d@comcast.com>
Source record: 1808

CNN reports that NASA has said that the batteries got too cold and died, on the second orbit.

73 de Jim K4PYT

53. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 17:50:01 UTC
From: Robert John <rajohngm@worldnet.att.net>
Message-ID: <dVqFf.10508$fM1.9743@bgtnsc04-news.ops.worldnet.att.net>
Source record: 1809

Was this project engineered by NASA?

"Barky Bark" <barkybark@bonksbcglobal.net> wrote in message
news:OGhFf.7408$tb3.6525@newssvr24.news.prodigy.net...
> So what's the overall verdict on SuitSat? Waste of time? Include a
heater
> next time?
>
>

54. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 17:55:48 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <E_qFf.6228$ur7.4193@newssvr33.news.prodigy.com>
Source record: 1810

I think it was a Russian thing.

55. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 17:58:08 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <Q0rFf.6230$ur7.6093@newssvr33.news.prodigy.com>
Source record: 1811

I think you were listening in vain. The thing died after only a couple of hours. Don't know where you are but AFAIK it didn't pass alive over N.America at all.

56. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 18:27:26 UTC
From: kb9rqz@Mark.Morgan.com
Message-ID: <rrgcu11t3rkf6eet3l3tp8up5i5k1jcq52@4ax.com>
Source record: 1812

On Sun, 05 Feb 2006 07:20:14 GMT, "Barky Bark"
<barkybark@bonksbcglobal.net> wrote:

>So what's the overall verdict on SuitSat? Waste of time? Include a heater
>next time?
>
only value i ever saw to the project was PR maybe it suceeded there

----
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57. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 18:52:46 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <2QrFf.7171$Gg1.2754@trnddc03>
Source record: 1813

The reports I have heard are that it's still alive and kicking but FAR
weaker than expected.
I know it was a long shot but I had insomnia anyway and figured I would
listen and try.

"James" <jnipperxxx@nospamfdn.com> wrote in message
news:PO6dnUtW5daQmXvenZ2dnUVZ_t-dnZ2d@comcast.com...
> CNN reports that NASA has said that the batteries got too cold and died,
on
> the second orbit.
>
>
> 73 de Jim K4PYT
>
>

58. Amsat Suitsat update!!

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 19:47:29 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <lDsFf.6347$xs4.5742@trnddc01>
Source record: 1814
Cross-posted to: alt.ham-radio,alt.ham-radio.eme,alt.ham-radio.vhf-uhf,rec.radio.amateur,rec.radio.amateur.space

Suitsat is alive and kicking but high gain receiving systems, and a high orbit pass over your area, are needed for reception.

http://www.amsat.org/amsat-new/index.php

Good luck,
RoD

59. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 22:50:07 UTC
From: Jim Shaffer <jmshaffer@alltel.net>
Message-ID: <f60du11gtjot51v2l12ag8m679jk3d70em@4ax.com>
Source record: 1815

On Sun, 05 Feb 2006 17:55:48 GMT, "Barky Bark"
<barkybark@bonksbcglobal.net> wrote:

>I think it was a Russian thing.

But the Russians used to build them right. I remember they launched a
mini-satellite for the 40th anniversary of Sputnik. I heard it on an
old police scanner which was such a piece of junk that it barely
worked for its intended purpose.

60. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-05 23:46:25 UTC
From: kb9rqz@Mark.Morgan.com
Message-ID: <3i3du19gkk48joh14aaj7phjhes0vqgfh1@4ax.com>
Source record: 1816

On Sun, 05 Feb 2006 17:50:07 -0500, Jim Shaffer <jmshaffer@alltel.net>
wrote:

>On Sun, 05 Feb 2006 17:55:48 GMT, "Barky Bark"
><barkybark@bonksbcglobal.net> wrote:
>
>>I think it was a Russian thing.
>
>But the Russians used to build them right. I remember they launched a
>mini-satellite for the 40th anniversary of Sputnik. I heard it on an
>old police scanner which was such a piece of junk that it barely
>worked for its intended purpose.

the Soveits used to build em get it right
>

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61. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-06 00:21:28 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006020519213575249%growl@tummycom>
Source record: 1817

On 2006-02-05 17:50:07 -0500, Jim Shaffer <jmshaffer@alltel.net> said:

> On Sun, 05 Feb 2006 17:55:48 GMT, "Barky Bark"
> <barkybark@bonksbcglobal.net> wrote:
>
>> I think it was a Russian thing.
>
> But the Russians used to build them right. I remember they launched a
> mini-satellite for the 40th anniversary of Sputnik. I heard it on an
> old police scanner which was such a piece of junk that it barely
> worked for its intended purpose.

Hey, stuff happens. Sometimes these things don't go right. Most of the
time they do.

62. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-06 22:30:38 UTC
From: "helmsman@mindspring.com" <helmsman@mindspring.com>
Message-ID: <vejfu1hqaivbo4l9n1ls14g4houmlpno6m@4ax.com>
Source record: 1818

Jim Shaffer <jmshaffer@alltel.net> wrote:

>On Sun, 05 Feb 2006 17:55:48 GMT, "Barky Bark"
><barkybark@bonksbcglobal.net> wrote:
>
>>I think it was a Russian thing.
>
>But the Russians used to build them right. I remember they launched a
>mini-satellite for the 40th anniversary of Sputnik. I heard it on an
>old police scanner which was such a piece of junk that it barely
>worked for its intended purpose.
>

Everyone makes a snake killer once and a while.

63. ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-06 22:36:59 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <fcQFf.7946$Gg1.4116@trnddc03>
Source record: 1819
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

ISS IS REPEATING SUITSAT SIGNALS on 437.800

Just for info to the group.

Whole story with received audio files......

http://www.aj3u.com/blog/

73's RoD
KD0XX
PG-6-29404

64. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-06 23:03:51 UTC
From: Hils <hilsnews@nospam.demon.co.uk>
Message-ID: <YTjC9EFXX95DFwNm@newearth.demon.co.uk>
Source record: 1820

kb9rqz@Mark.Morgan.com wrote

>the Soveits used to build em get it right

They built the RS series as well. Communism wasn't all bad. :-)

--
Hil

65. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-06 23:32:40 UTC
From: kb9rqz@Mark.Morgan.com
Message-ID: <93nfu1dsguu87skm6k61hv0fud341hg9p5@4ax.com>
Source record: 1821

On Mon, 6 Feb 2006 23:03:51 +0000, Hils <hilsnews@nospam.demon.co.uk>
wrote:

>kb9rqz@Mark.Morgan.com wrote
>
>>the Soveits used to build em get it right
>
>They built the RS series as well. Communism wasn't all bad. :-)

well comuism certainly had it problems but the current system of
pretending they have a a working market economy s.. leaves a lot to be
desired

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66. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 00:26:10 UTC
From: tg <tg@nospamevereverever.net>
Message-ID: <43e7e91a$0$29565$da0feed9@news.zen.co.uk>
Source record: 1822
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"stargatesg1" <me@verizon.net> wrote in message news:fcQFf.7946$Gg1.4116@trnddc03...
> ISS IS REPEATING SUITSAT SIGNALS on 437.800
>
> Just for info to the group.
>
> Whole story with received audio files......
>
> http://www.aj3u.com/blog/

having bad luck here in the UK. Suitsat (for the second time) will be passing over the UK in the middle of the night, while I'm
sleeping. Drat.

67. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 01:14:12 UTC
From: DougSlug <dougslug@hotmail.com>
Message-ID: <EvSFf.165$Up.89@fe10.lga>
Source record: 1823
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

Can't you just get up during the night to listen? It is a rather rare opportunity, after all. Get everything set up ahead of time so you don't go waking the wife and kiddies with your crashing around in the dark!

"tg" <tg@nospamevereverever.net> wrote in message
news:43e7e91a$0$29565$da0feed9@news.zen.co.uk...
>
> "stargatesg1" <me@verizon.net> wrote in message
> news:fcQFf.7946$Gg1.4116@trnddc03...
>> ISS IS REPEATING SUITSAT SIGNALS on 437.800
>>
>> Just for info to the group.
>>
>> Whole story with received audio files......
>>
>> http://www.aj3u.com/blog/
>
> having bad luck here in the UK. Suitsat (for the second time) will be
> passing over the UK in the middle of the night, while I'm sleeping. Drat.

68. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 01:59:23 UTC
From: mikeFNB <mikefnb@moc.dlrowltn>
Message-ID: <%9TFf.28731$mf2.7958@newsfe6-win.ntli.net>
Source record: 1824
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

do what i am going to do
leave the scanner squelched upon loud volume or
these 2.4GHz retransmitters for tv are quite good also.
or if your not near a scanner connected to an outside aerial....
just use a small tv in the bedroom and retransmit just the scanner audio via
the rca phono socket.

mike
scanner
"DougSlug" <dougslug@hotmail.com> wrote in message
news:EvSFf.165$Up.89@fe10.lga...
> Can't you just get up during the night to listen? It is a rather rare
> opportunity, after all. Get everything set up ahead of time so you don't
> go waking the wife and kiddies with your crashing around in the dark!
>
>
> "tg" <tg@nospamevereverever.net> wrote in message
> news:43e7e91a$0$29565$da0feed9@news.zen.co.uk...
>>
>> "stargatesg1" <me@verizon.net> wrote in message
>> news:fcQFf.7946$Gg1.4116@trnddc03...
>>> ISS IS REPEATING SUITSAT SIGNALS on 437.800
>>>
>>> Just for info to the group.
>>>
>>> Whole story with received audio files......
>>>
>>> http://www.aj3u.com/blog/
>>
>> having bad luck here in the UK. Suitsat (for the second time) will be
>> passing over the UK in the middle of the night, while I'm sleeping. Drat.
>
>

69. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 02:28:12 UTC
From: bradvk2qq <bradvk2qq@w6ir.com>
Message-ID: <1139279292.108399.300770@g44g2000cwa.googlegroups.com>
Source record: 1825
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

Download a program called Scanner Recorder and let it run overnight.

Brad VK2QQ

70. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 09:06:06 UTC
From: tg <tg@nospamevereverever.net>
Message-ID: <43e862f4$0$5011$db0fefd9@news.zen.co.uk>
Source record: 1826
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"bradvk2qq" <bradvk2qq@w6ir.com> wrote in message
news:1139279292.108399.300770@g44g2000cwa.googlegroups.com...
> Download a program called Scanner Recorder and let it run overnight.
>
> Brad VK2QQ

already did that. see my post here dated 5/2/06.

71. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 12:17:41 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006020707174389 30%growl@tummycom>
Source record: 1827

On 2006-02-06 17:36:59 -0500, "stargatesg1" <me@verizon.net> said:

> ISS IS REPEATING SUITSAT SIGNALS on 437.800
>
> Just for info to the group.
>
> Whole story with received audio files......
>
> http://www.aj3u.com/blog/
>
>
> 73's RoD
> KD0XX
> PG-6-29404

yup, I've heard them as well. Loud, S-5.

72. ANS-037 AMSAT News Service Special Bulletin - OSCAR Number For SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 14:12:06 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <WU1Gf.7257$Nv2.1322@newsread1.news.atl.earthlink.net>
Source record: 1828

SB SAT @ AMSAT $ANS-037.01
OSCAR Number for SuitSat

AMSAT News Service Bulletin 037.01
From AMSAT HQ SILVER SPRING, MD.
February 6, 2006
To All RADIO AMATEURS
BID: $ANS-037.01

Bill Tynan, W3XO, former President of AMSAT-NA and the OSCAR number coordinator has issued this statement:

From the information sent to me regarding the SuitSat project, it is clear that the SuitSat spacecraft IS qualified to receive an OSCAR number.

Therefore, by the authority vested in me by the AMSAT-NA President, I am pleased to issue this new amateur satellite the designation AMSAT-OSCAR-54, or AO-54.

Congratulations are in order to Frank Bauer, KA3HDO, Sergey Samburov, RV3DR and the entire Radioskaf/Suitsat team for mounting this exciting and attention-getting project. Seldom has an amateur radio event captured the public's imagination and evoked so much positive news media coverage as SuitSat has.

73,
Bill Tynan, W3XO

For the details regarding OSCAR Number Assignment refer to:
http://www.amsat.org/amsat/amsat-na/oscar.html

/EX

73. WSR-036 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 14:12:10 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <_U1Gf.7258$Nv2.99@newsread1.news.atl.earthlink.net>
Source record: 1829

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-036.S1
WSR 036 Part 1 02/05/2006

AMSAT NEWS SERVICE BULLETIN 036.S1 FROM AMSAT HQ
SILVER SPRING, MD, February 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-036.S1

AO-54 SUITSAT
Catalog Number:
Release Date: February 3,2006

Proposed Callsign: RS0RS
Downlink: 145.990 FM

Modes : FM Voice Telemetry/Greetings
FM SSTV

Official webpage: http://www.suitsat.org

There are reports of Strong to No signal from Suitsat this weekend. Most
of
the ones reporting getting strong signals are stations with high gain
antenna
set-ups.

There are also reports that the ISS has setup their crossband repeater
to re-
transmit from 145.990 to 437.800 to help those that would like to hear
what
Suitsat sounds like.
[02062006]
=====
VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder
```

Proposed frequencies:

Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V-FM/S-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

Feb 5
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Feb 12
QRP FM Repeater, V/U
Uplink: 145.880 mhz FM, no PL Tone
Downlink 435.150 mhz FM
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Feb 19
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 26
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[02062006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10

minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24
hour

timer that changes the mode schedule at approximately 0900z each day.
The
timer alternates the satellite's operational mode between Mode A and
Mode B.

Please use QRP when operating on AO-7! There are no batteries, and
excessive
power may cause unexpected behavior and possibly damage the satellite.
Mode
B users are likely to experience a Mode change from Mode B to Mode C if
the
buss voltage drops. This will be marked by a decrease in signal
strength
from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March
2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER V/U ?
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from
2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-036.S2
WSR 036 Part 2 02/05/2006

AMSAT NEWS SERVICE BULLETIN 036.S2 FROM AMSAT HQ
SILVER SPRING, MD, February 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-036.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER - V/U
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from
2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz

PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
[01012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - OFF
VOICE REPEATER - V-FM/S-FM

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedule from the AO-51 Command Team:

Feb 5
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Feb 12
QRP FM Repeater, V/U
Uplink: 145.880 mhz FM, no PL Tone
Downlink 435.150 mhz FM
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Feb 19
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 26
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[01292006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
GO-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

Users of OSCAR-11 may be interested in recent additions to my website.
Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and
may be used instead of CTERM. It features an accurate time stamp
facility,
which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include
all
the 2005 data. The URL is http://www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on 145.826 MHz. has been heard from 23 to 31 December and from 11 to 21 January.

Signals during the December passes were very variable. Sometimes received at
good strength, at other times they were inaudible , even with the BFO switch-
ed ON (ie. in CW mode). Signals during the January passes tended to be much
stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21 January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09 December. However, the rate of change of clock error appears to vary between
zero and half an hour per day, over short periods. The greatest changes seem
to correspond with poor signals, which suggests that the clock may slow or
stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite,
instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle, ie. approximately ten days ON followed by 10 days OFF. However, at
any time, poor solar attitude, and battery problems, may result in a low 14
volt line supply, which may cause the beacon to switch OFF prematurely, and
reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture.

There
is software for capturing data, and decoding ASCII telemetry. The URL
is
www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please
use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.
[01292006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-036.S3
WSR 036 Part 3 02/05/2006

AMSAT NEWS SERVICE BULLETIN 036.S3 FROM AMSAT HQ
SILVER SPRING, MD, February 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-036.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13

Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)

CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====

AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT <W8ISS $ANS-036.S4
WSR 036 Part 4 02/05/2006

AMSAT NEWS SERVICE BULLETIN 036.S4 FROM AMSAT HQ
SILVER SPRING, MD, February 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-036.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980
[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====

SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
NNNN
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
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74. ANS-036 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 14:12:12 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <0V1Gf.7259$Nv2.6711@newsread1.news.atl.earthlink.net>
Source record: 1830

AMSAT NEWS SERVICE
ANS-036

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* SuitSat Status February 4, 2005
* Commemorative SuitSat QSL Certificate Will Be Available
* Extensive Media Coverage on SuitSat Deployment
* ARISS Status January 30, 2006
* First U.S. Satellite Launched 48 Years Ago
* IMAGE Satellite Captures Aurora Spectacular
* A Personal Note from This Week's ANS Editor

SB SAT @ AMSAT $ANS-036.01
SuitSat Status 4 February 2005

AMSAT News Service Bulletin 036.01
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.01

Silver Spring, Maryland
4 February 2006 at 22:00 UTC

Paraphrasing Mark Twain....the demise of SuitSat-1 is highly exaggerated!!

It is now nearly 24 hours since the successful deployment of the SuitSat-1 experiment. These past 24 hours have been a wild ride of emotions...tremendous highs...deep lows when people reported no signals and said SuitSat-1 was dead and now....some optimism.

It is absolutely clear that SuitSat-1 is alive. It was successfully turned on by the ISS crew prior to deploy and the timing, micro-controller functions and audio appear to be operating nominally. The prime issue appears to be an extremely weak signal.

I have heard several recordings and have monitored two passes today. When the signal is above the noise level, you can clearly hear partials of the student voices, the station ID and the SSTV signal. One of the complicating factors in reception is the very deep fades that occur due to the spin of SuitSat.

Based on the information we know thus far, one can narrow down the issue to the antenna, the feedline, the transmitter output power and/or any of the connections in between. Through your help, we would like to narrow down the issue further and also gather some internal telemetry from the Suit. If the transmitter is running at full power, we would expect the Suit to end operations in the next few days to a week. If it is not, then it will operate much longer. Since we do not know how long this experiment will last, we ask for those with powerful receive stations to listen for SuitSat---especially during direct overhead passes when the Suit is closest to your area. If you can record these passes and send the audio to us, it would be most appreciated. We will continue to be optimistic that this issue will right itself before the batteries are depleted. So please KEEP LISTENING!

Based on what we have learned, we would like to provide the following guidelines to save you time and facilitate gathering information:

1) You need as high a gain antenna as possible with mast mounted pre-amps. An arrow is the minimal set...it provides very brief snippets of the communications. HTs and scanners won't cut it.

2) I would not waste your time on passes below 40 degrees elevation. SuitSat is too far from your station to receive a reliable signal. We have found that closest approach provides several seconds of SuitSat communication with 22 element yagis.

3) The "gold" we are looking for right now is the telemetry information and how long the vehicle stays operational. So if you hear any of the telemetry, please let us know.

We are also working to get the voice repeater set up on ISS to downlink SuitSat audio on 437.80 in the event that the ISS Kenwood radio can receive the SuitSat transmissions. The repeater may be operational as early as mid-day Sunday. Please do NOT transmit on 145.99, voice or packet, until we have confirmed that SuitSat is no longer transmitting. These transmissions interfere with our ability to hear SuitSat.

While the transmission part of the SuitSat experiment has not been stellar, SuitSat-1 has been tremendously successful in several areas. Some of these successes include:

-We have captured the imagination of students and the general public worldwide through this unique experiment.

-The media attention to the SuitSat project represents one of the biggest ever for amateur radio.

-We have had well over 2 million internet hits on www.suitsat.org today.

-Our student's creative artwork, signatures and voices have been carried in space and are on-board the spacesuit--the students are now space travelers as the Suit rotates and orbits the Earth.

-Carried in the spacesuit CD are pictures of Roy Neal, K6DUE, and Thomas Kieselbach, DL2MDE, two of our colleagues who have contributed to the ARISS program and have since passed away.

-We successfully deployed an amateur radio satellite in a Spacesuit from the ISS, demonstrating to the space agencies that this can be safely done.

-This ARISS international team was able to fabricate, test and deliver a safe ham radio system to the ISS team 3 weeks after the international space agencies agreed to allow SuitSat to happen. This was a tremendous feat in of itself.

SuitSat-1/Radioskaf is a space pioneering effort. Pioneering efforts are challenging. Risk is high. But the future payoff is tremendous. As you have seen, we have not had total success. But we have captured the imagination of the students and the general public. And we have already learned a lot from this activity. This will help us and others grow from this experience.

Keep your spirits up and let's continue to be optimistic. And please keep monitoring!!

73, Frank H. Bauer, KA3HDO
ARISS International Chairman
AMSAT-NA VP for Human Spaceflight Programs

[ANS thanks Frank Bauer, KA3HDO, AMSAT-NA VP for Human Spaceflight Programs for the above information]

SB SAT @ AMSAT $ANS-036.02
Commemorative SuitSat QSL Certificate Will Be Available

AMSAT News Service Bulletin 036.02
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.02

Students, scouts, teachers, ham radio operators, and the general public are encouraged to track the space suit, hear the conversations from space, copy the suit telemetry and capture the picture.

There will also be a special endorsement on the award certificate for those students who receive the "special words" that are embedded in the messages from our SuitSat student "crew members." These special words are in different languages - English, French, German, Spanish, Russian, and Japanese. You are encouraged to record the SuitSat downlink audio and get help from fellow students who know these languages.

Radio Amateurs, students and teachers who hear SuitSat should send their signal reports with a large (9x12 inch) self-addressed stamped envelope to one of these addresses listed below:

* USA: ARRL Headquarters
SuitSat QSL
225 Main Street
Newington, CT 06111-1494 USA

* Canada: Radio Amateurs of Canada
SuitSat QSL
720 Belfast Road
Suite 217 Ottawa Ontario K1G 0Z5

* Europe: F1MOJ - Mr CANDEBAT Christophe
SuitSat Europe QSL Manager
7 Rue Roger Bernard
30470 AIMARGUES FRANCE

* Japan: SuitSat Japan QSL
JARL International Section
Tokyo 170-8073 JAPAN

* Russia: Alexander Davydov, RN3DK
Novo - Mytishchinsky prospekt 52 - 111
Mytishchi 18
Moskovskaya obl. 141018, RUSSIA

* Other Countries: Please use the US or Canadian address above.

Also included in this spacesuit is a computer Compact Disk (CD) with images of over 300 items collected from schools and educational organizations around the world. These include creative works of art from students as well as student signatures, school or scout logos, and class or group pictures. Students, schools and educational organizations that participated in the development of this disk earlier this year will all be part of the SuitSat spacewalk---as their creative works, signatures and pictures all float in space!

[ANS thanks the ARISS team for the above information]

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SB SAT @ AMSAT $ANS-036.03
Extensive Media Coverage on SuitSat Deployment

AMSAT News Service Bulletin 036.03
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.03

Interest in SuitSat was on the increase prior to deployment with an abundance of press attention. Media coverage has been extensive. Here are links to some of the feature stories:

New York Times
"An Orbiting Spacesuit With Transmitter"
http://www.nytimes.com/2006/01/28/science/28suit.html?_r=1

Energia website
"Science Research on ISS Russian Segment Technical Research RADIOSKAF
EXPERIMENT"
http://www.energia.ru/english/energia/iss/researches/techn-35.html

YubaNet.com
"SuitSat: Disembodied Spacesuit set to orbit Earth"
http://www.yubanet.com/artman/publish/article_30883.shtml

National Public Radio
"SuitSat to Orbit Earth"
http://www.npr.org/templates/story/story.php?storyId=5183146

CNN Science & Space
"One small step for trash is giant leap for ham-kind"
http://www.cnn.com/2006/TECH/space/02/02/recycled.spacesuit.reut/index.html?
section=cnn_topstories

Science@NASA
"Using a simple policed scanner or ham radio, you can listen to a
disembodied spacesuit circling Earth"
http://science.nasa.gov/headlines/y2006/26jan_suitsat.htm

NASA
"Expedition 12 Preps for Second Spacewalk"
http://www.nasa.gov/mission_pages/station/main/index.html

ARRL
"ISS Crew Prepares for Space Walk, 'SuitSat-1' Launch"
http://www.arrl.org/news/stories/2006/01/27/4/?nc=1

AMSAT
"SuitSat Readies for Operation"
http://www.amsat.org/amsat-new/index.php

NASA Education
"Hearing Voices From Space"
http://www.nasa.gov/audience/forstudents/k-4/home/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/5-8/features/F_Hearing_Voices.html
http://www.nasa.gov/audience/forstudents/9-12/features/F_Hearing_Voices_From
_Space.html
http://www.nasa.gov/audience/forstudents/postsecondary/features/F_Hearing_Vo
ices_From_Space.html

NASA television has reported on SuitSat. For more information, see:
http://www.nasa.gov/multimedia/nasatv/index.html

[ANS thanks Carol, KB3LKI and Media Resources for the above information]

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SB SAT @ AMSAT $ANS-036.04
ARISS Status January 30, 2006

AMSAT News Service Bulletin 036.04
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.04

1. New York Contact Successful

On Tuesday, January 24, Aquebogue School in Aquebogue, New York experienced a successful contact with the ISS. Bill McArthur, KC5ACR, answered 20 questions asked by ten students. Video was fed to three other local school districts via a local videoconferencing network. The weekly Aquebogue newspaper, News-Review, covered the event. Echolink had 38 connections from 11 countries: Australia, Canada, USA, UK, Japan, Iraq, Italy, Russia, Spain, New Zealand, and Thailand. IRLP received 24 connections from the USA, UK, Canada, and Australia. The audio was also streamed on: www.discoveryreflector.ca

2. West Point Contact Successful

Cadets from the Ham Radio Club at the United States Military Academy in West Point had the privilege to speak with Bill McArthur, KC5ACR, on Thursday, January 26. Among the dignitaries attending the event was the Electrical Engineering program director, Colonel Barry Shoop. Professors from other departments who advise some of the cadets who questioned McArthur in a study of lunar habitation requirements also attended. The school has 4000 members, many of whom listened to the contact via local closed circuit (intranet).

3. Upcoming School Contacts

Dale High School in Dale, Oklahoma has been scheduled for an ARISS contact. It will take place on February 7 at 14:56 UTC.

E.L. DeGolyer Elementary School in Dallas, Texas has been approved for a contact with the ISS. It is planned for February 7 at 16:32 UTC.

Pine Ridge Middle School in Naples, Florida has been scheduled for a contact on February 8 at 15:24 UTC.

4. "Discover Engineering Family Day" Contact

"Discover Engineering Family Day" will be held on Saturday, February 18 in the National Building Museum in Washington, D.C. Arrangements are being made for a contact via Amateur Radio with astronaut Bill McArthur for the morning of the 18th (11 am ET).

5. ARRL Article on Georgia, New York Contacts

ARRL ran a story covering the Georgia Tech and Aquebogue School contacts. The article, "Onboard Fires, Safe Grounding Question Topics for NA1SS School Contacts," may be found on its website. See: http://www.arrl.org/news/stories/2006/01/27/2/?nc=1

6. SuitSat Interest Ramped Up

Interest in SuitSat was on the increase last month. The SuitSat website, http://www.suitsat.org received over 105,000 hits in January, coming from over 350 referring sites.

7. McArthur Closes in on DXCC Award

Bill McArthur continues to work DXCC (100 international contacts) entities. As of January 29, it was reported that he has worked 91 of the 100 entities needed for the DXCC award. ARRL covered McArthur's accomplishments in an article entitled, "ISS Commander Completes WAS from Space, Gaining On DXCC." See: http://www.arrl.org/news/stories/2006/01/26/2/?nc=1

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-036.05
First U.S. Satellite Launched 48 Years Ago

AMSAT News Service Bulletin 036.05
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.05

Forty eight years ago a team of scientists and engineers successfully launched Explorer 1, the first U.S. satellite to orbit around Earth. This historic accomplishment marked the nation's debut in the Cold War-era space race and set the stage for the establishment of the civilian space agency that would become NASA.

NASA's Jet Propulsion Laboratory, Pasadena, CA, was still operated as a research laboratory for the U.S. Army when it was selected in November 1957 to develop the first U.S. satellite, its science package, the communications system and the high-speed upper stages for the Army's Redstone rocket that would guide the tiny, 9-kilogram (20-pound) Explorer 1 into the great unknown. JPL and the Army completed the assignment and successfully launched the satellite in less than three months. JPL and the Army Ballistic Missile Agency, based in Huntsville, AL, joined in firing the satellite toward space from the missile test center at Cape Canaveral, FL on Jan. 31, 1958.

The scientific experiment onboard, a cosmic ray detector built by Dr. James Van Allen of the University of Iowa, soon returned one of the most important findings of the space program: the discovery of what are now known as the Van Allen Radiation Belts around Earth.

Explorer 1 went on to operate for three months.

[ANS thanks Arthur, N1ORC for the above information]

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SB SAT @ AMSAT $ANS-036.06
IMAGE Satellite Captures Aurora Spectacular

AMSAT News Service Bulletin 036.06
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.06

From space, the aurora is a crown of light that circles each of Earth's poles. The IMAGE satellite captured this spectacular view of the aurora australis (southern lights) on September 11, 2005, four days after a record-setting solar flare sent plasma flying towards the Earth.

http://earthobservatory.nasa.gov/Newsroom/NewImages/images.php3?img_id=17165

For the latest news and views of Earth from space, visit the NASA Earth Observatory site at:

http://earthobservatory.nasa.gov

[ANS thanks the NASA Earth Observatory for the above information]

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SB SAT @ AMSAT $ANS-036.07
A Personal Note from This Week's ANS Editor

AMSAT News Service Bulletin 036.07
From AMSAT HQ SILVER SPRING, MD.
February 5, 2006
To All RADIO AMATEURS
BID: $ANS-036.07

One of the proudest moments of my 40-plus years in amateur radio came during the recent EVA of ISS Expedition 12. To watch and listen as Bill McArthur, KC5ACR, talked about amateur radio while working in the vacuum of space was truly an inspiring moment. For those who missed it, Bill talked for several minutes with CAPCOM Mike Foale about the 96 countries he has worked and the 1,000 contacts he has made from space.

Those of us who have been around this hobby remember when Owen Garriot, W5LFL became the first ham in space in the culmination of many people's efforts -- through the SAREX program -- to make amateur radio in space a reality. Today we have ARISS and ambassadors of amateur radio like Bill McArthur.

A personal note of thanks to all the people and organizations -- ARISS, AMSAT, ARRL and NASA -- who continue to support amateur radio in space and a big thank you to Bill McArthur for making amateur radio such a big part of Expedition 12.

[ANS thanks NASA TV for the above-mentioned live coverage]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG
AMSAT LM-1957
wa1lbg at amsat dot org

75. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 22:18:25 UTC
From: James <jnipperxxx@nospamfdn.com>
Message-ID: <boadnQdzD702gXTeRVn-jQ@comcast.com>
Source record: 1831
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

If you receive the "repeated" signal, that is no big deal. People have been listening to the ISS for years on two meters.

Only a relatively few people have picked up the signals coming from the Space Suit.

73 de Jim K4PYT

76. Re: SuitSat Aftermath...

Newsgroup: rec.radio.amateur.space
Date: 2006-02-07 22:38:32 UTC
From: "helmsman@mindspring.com" <helmsman@mindspring.com>
Message-ID: <l78iu19r2l0pmed8vpfssfmkoahh9dhfa5@4ax.com>
Source record: 1832

kb9rqz@Mark.Morgan.com wrote:

>On Mon, 6 Feb 2006 23:03:51 +0000, Hils <hilsnews@nospam.demon.co.uk>
>wrote:
>
>>kb9rqz@Mark.Morgan.com wrote
>>
>>>the Soveits used to build em get it right
>>
>>They built the RS series as well. Communism wasn't all bad. :-)
>
>well comuism certainly had it problems but the current system of
>pretending they have a a working market economy s.. leaves a lot to be
>desired
>_____________________________________
>Usenet Zone Free Binaries Usenet Server
>More than 140,000 groups
>Unlimited download
>http://www.usenetzone.com to open account

So doe's Predatory Capitalism!
I'm stealing your house because I have more money than you.
That sucks!

77. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 00:24:32 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <4TaGf.8825$tb3.196@newssvr24.news.prodigy.net>
Source record: 1833
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

dude it's broadcasting less than 1/2 watt from what 100 miles up? Ain't no way a normal person gonna hear that.

78. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 00:45:55 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <7bbGf.8831$tb3.2372@newssvr24.news.prodigy.net>
Source record: 1834
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

cuz man that's just crazy! You need some sort of crazy yagi shit going on
for that. All's I got's my Yaesu handheld.

79. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 00:54:37 UTC
From: tg <tg@nospamevereverever.net>
Message-ID: <43e94151$0$5000$db0fefd9@news.zen.co.uk>
Source record: 1835
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"Barky Bark" <barkybark@bonksbcglobal.net> wrote in message
news:7bbGf.8831$tb3.2372@newssvr24.news.prodigy.net...
> cuz man that's just crazy! You need some sort of crazy yagi shit going on
> for that. All's I got's my Yaesu handheld.

yes but connected to what kind of aerial?

80. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 00:58:50 UTC
From: Barky Bark <barkybark@bonksbcglobal.net>
Message-ID: <enbGf.8837$tb3.5249@newssvr24.news.prodigy.net>
Source record: 1836
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

the 8 inch one that came with the thing.

81. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 02:14:51 UTC
From: Al Klein <rukbat@pern.invalid>
Message-ID: <8mkiu1983dvksognr9n8fvusln56ltnmsr@4ax.com>
Source record: 1837
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

On Wed, 8 Feb 2006 00:54:37 -0000, "tg" <tg@nospamevereverever.net>
wrote:

>"Barky Bark" <barkybark@bonksbcglobal.net> wrote in message
news:7bbGf.8831$tb3.2372@newssvr24.news.prodigy.net...
>> cuz man that's just crazy! You need some sort of crazy yagi shit going on
>> for that. All's I got's my Yaesu handheld.

>yes but connected to what kind of aerial?

Probably the little rubber ducky it came with.

But, yes, with 11 elements and good front end sensitivity (not a
scanner), the suit signal is still barely out of the noise. Then,
again, EME signals are usually much weaker than the suit signal, and I
believe Sam Harris, W1FZJ, was doing EME around 40 years ago - with
tubes. It's not like it takes $10 million worth of equipment to do
this - 2 broom handles, some 1X2 lumber, 2 U-bolts, some coax and some
copperweld wire (or wire hangers) shouldn't cost more than US$10 - but
a 5 or 6 element quad has a lot of gain and it's easy to swing around
by hand.

82. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 06:18:43 UTC
From: nospam@w6yx.stanford.edu
Message-ID: <dsc2g3eaj1@news.Stanford.EDU>
Source record: 1838
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

In article <4TaGf.8825$tb3.196@newssvr24.news.prodigy.net> "Barky Bark"
<barkybark@bonksbcglobal.net> writes:
>dude it's broadcasting less than 1/2 watt from what 100 miles up? Ain't no
>way a normal person gonna hear that.

If it is putting out 1/2 watt (+27 dBm) uniformly in all directions (0 dBi transmit
antenna)
and is 400 miles away, and your little rubber duck is about a 0 dBi antenna (probably
close),
your receiver will receive it at -105 dBm. That should be quite easy to receive.

Most likely the antenna on the suit is *not* putting the signal out in all directions.
You may also want to hear it for more than the minute or so it is going directly over you.

Oh, a "normal person" can easily build better antennas and hook them up.

Alan

83. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 10:48:13 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006020805481589 30%growl@tummycom>
Source record: 1839

On 2006-02-07 19:58:50 -0500, "Barky Bark" <barkybark@bonksbcglobal.net> said:

> the 8 inch one that came with the thing.

That's basically a dummyload.

84. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 10:50:45 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006020805504711272%growl@tummycom>
Source record: 1840

On 2006-02-07 17:18:25 -0500, "James" <jnipperxxx@nospamfdn.com> said:

> If you receive the "repeated" signal, that is no big deal. People have been
> listening to the ISS for years on two meters.

Yeah, I know that. It's still cool.

> Only a relatively few people have picked up the signals coming from the
> Space Suit.
>

I know, I read http://www.suitsat.org/

> 73 de Jim K4PYT
>

Right back at ya.

85. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 12:32:12 UTC
From: tg <tg@nospamevereverever.net>
Message-ID: <43e9e4d2$0$23288$db0fefd9@news.zen.co.uk>
Source record: 1841
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"Barky Bark" <barkybark@bonksbcglobal.net> wrote in message
news:enbGf.8837$tb3.5249@newssvr24.news.prodigy.net...
> the 8 inch one that came with the thing.

oh well you'll pick up sweet FA on that. Ya gotta have the metal in the sky barky, loadsa metal going up and up....
then you'll hear things. I've got a hand held as well but it doubles as a powerful little base station when it sits on my desktop
connected to my external aerial and PC.

86. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 12:45:14 UTC
From: Hamguy <hamguy@arrl.net>
Message-ID: <43e9eb00@news.usenetzone.com>
Source record: 1842
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.space

Well, there you go. If you have an outside aerial, then you should have no problem hearing it. You don't need anything too powerful, if the suitsat is still working. However, I think NASA says that the batteries have probably frozen, so it isn't working any longer.

"tg" <tg@nospamevereverever.net> wrote in message news:43e9e4d2$0$23288$db0fefd9@news.zen.co.uk...
>
> oh well you'll pick up sweet FA on that. Ya gotta have the metal in the
> sky barky, loadsa metal going up and up....
> then you'll hear things. I've got a hand held as well but it doubles as a
> powerful little base station when it sits on my desktop connected to my
> external aerial and PC.
>
>
>

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87. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 14:50:12 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <EynGf.10435$In4.4645@trnddc06>
Source record: 1843
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.space

Sorry to disagree with you, but it was received yesterday so the batteries
are still working.....

See the following link for received audio files....

http://www.aj3u.com/blog/

RoD

"Hamguy" <hamguy@arrl.net> wrote in message
news:43e9eb00@news.usenetzone.com...
> Well, there you go. If you have an outside aerial, then you should have
no
> problem hearing it. You don't need anything too powerful, if the suitsat
is
> still working. However, I think NASA says that the batteries have
probably
> frozen, so it isn't working any longer.
>
> "tg" <tg@nospamevereverever.net> wrote in message
> news:43e9e4d2$0$23288$db0fefd9@news.zen.co.uk...
> >
> > oh well you'll pick up sweet FA on that. Ya gotta have the metal in the
> > sky barky, loadsa metal going up and up....
> > then you'll hear things. I've got a hand held as well but it doubles as
a
> > powerful little base station when it sits on my desktop connected to my
> > external aerial and PC.
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> _____
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88. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 16:45:20 UTC
From: Hamguy <hamguy@arrl.net>
Message-ID: <43ea2336@news.usenetzone.com>
Source record: 1844
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.space

So, you were able to receive it yesterday. This is the report for today and
they are saying that the batteries have died.
http://www.qrz.com/ib-bin/ikonboard.cgi?act=ST&f=3&t=113941

"stargatesg1" <me@verizon.net> wrote in message
news:EynGf.10435$In4.4645@trnddc06...
> Sorry to disagree with you, but it was received yesterday so the batteries
> are still working.....
>
> See the following link for received audio files....
>
> http://www.aj3u.com/blog/
>
> RoD

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More than 140,000 groups
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http://www.usenetzone.com to open account

89. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 17:31:08 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <wVpGf.30147$%i3.26260@trnddc02>
Source record: 1845
Cross-posted to: alt.ham-radio.vhf-uhf,rec.radio.amateur.space

Hi Hamguy,
I didn't write this to upset anyone. I read the forum link you sent
but didn't see anyone say the batteries had died yet. I might have just
missed it though.
If I did, my apologies.
I myself will only believe it's dead when either Amsat or NASA says
so. Other than that, it's just conjecture and results of the initial
erroneous reports that it died after the second orbit as was reported by the
media. After that report, everyone was speculating the batteries had died
until there were reports of received audio days after it was supposed to
have been dead.

Here's the most recent report from Amsat updated yesterday.....

http://www.amsat.org/amsat-new/index.php

And the recordings that were made today (Feb 8 2006 1007UTC) by VE6BLD in
Canada ....

http://www.amsat.org/amsat-new/index.php

Thanks,
RoD

"Hamguy" <hamguy@arrl.net> wrote in message
news:43ea2336@news.usenetzone.com...
> So, you were able to receive it yesterday. This is the report for today
and
> they are saying that the batteries have died.
> http://www.qrz.com/ib-bin/ikonboard.cgi?act=ST&f=3&t=113941
>
> "stargatesg1" <me@verizon.net> wrote in message
> news:EynGf.10435$In4.4645@trnddc06...
> > Sorry to disagree with you, but it was received yesterday so the
batteries
> > are still working.....
> >
> > See the following link for received audio files....
> >
> > http://www.aj3u.com/blog/
> >
> > RoD
>
>
> --

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> More than 140,000 groups
> Unlimited download
> http://www.usenetzone.com to open account

90. Radio Meteor Obs. Bull. January 2006 Bootids

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 19:20:20 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <f2hku11u0leg838ljiab50s5sg9oacjeq8@4ax.com>
Source record: 1846
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 150 of January 2006 (75 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0601.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

91. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 22:14:29 UTC
From: "helmsman@mindspring.com" <helmsman@mindspring.com>
Message-ID: <o8rku1ta0ecb1qvu3arcbl920ustacqf35@4ax.com>
Source record: 1848
Cross-posted to: rec.radio.amateur.space,sci.space.station

gsm@mendelson.com (Geoffrey S. Mendelson) wrote:

>Thierry wrote:
>
>> Check its posiiton with NASA J-Pass tool.
>
>What do you do if you are NOT in the U.S.?

Use Orbitron, it's free and it works!
http://www.stoff.pl/

>
>
>TIA,
>
>Geoff.

92. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-08 22:15:14 UTC
From: class-a-licensee-pkearn-zBBpk@didnt-run-away-from-a-morse-test.es.eircom.com.net
Message-ID: <43ea6d29.4236705@news.iol.ie>
Source record: 1847
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"Barky Bark" <barkybark@bonksbcglobal.net> wrote:

> dude it's broadcasting less than 1/2 watt from what 100 miles up? Ain't no
> way a normal person gonna hear that.

yes..but amateurs are not normal.

who in their right mind would ''play with radios'' for a third of their
life and more than likely pose for a photo or two in front of a room full
of equipment better suited to filling in the foundations of a garage ?

:-)

93. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 00:48:36 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <EjwGf.10159$Gg1.4074@trnddc03>
Source record: 1849
Cross-posted to: rec.radio.amateur.space,sci.space.station

I'll second that! Orbitron is a KILLER tracking program.
Sebastian Stoff did a great job with this program. It even auto updates the keps and syncs the time on your computer.
All he asks is a postcard from your area as payment.
Just Awesome.

Rod

<helmsman@mindspring.com> wrote in message news:o8rku1ta0ecb1qvu3arcbl920ustacqf35@4ax.com...
> gsm@mendelson.com (Geoffrey S. Mendelson) wrote:
>
> >Thierry wrote:
> >
> >> Check its posiiton with NASA J-Pass tool.
> >
> >What do you do if you are NOT in the U.S.?
>
> Use Orbitron, it's free and it works!
> http://www.stoff.pl/
>
>
> >
> >
> >TIA,
> >
> >Geoff.
>

94. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 03:20:33 UTC
From: Al Klein <rukbat@pern.invalid>
Message-ID: <p3dlu1lds9ub2jbb0c9nfivl794jrm1c7i@4ax.com>
Source record: 1700
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

On Wed, 8 Feb 2006 06:18:43 +0000 (UTC), nospam@w6yx.stanford.edu
(Alan) wrote:

>and your little rubber duck is about a 0 dBi antenna (probably close)

Less than -3dbd? I doubt that. It's probably closer to -6dbi. And
that's only if it's being held normal to the suit.

> Most likely the antenna on the suit is *not* putting the signal out in all directions.

From the tumble I've seen, it's definitely directional to some degree.

95. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 03:22:27 UTC
From: Al Klein <rukbat@pern.invalid>
Message-ID: <e9dlu1l6en9cjcufg7pv1lqltv3pq19ees@4ax.com>
Source record: 1701
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

On Wed, 08 Feb 2006 22:15:14 GMT,
class-a-licensee-pkearn-zBBpk@didnt-run-away-from-a-morse-test.es.eircom.com.net
(zBBPK) wrote:

>yes..but amateurs are not normal.

>who in their right mind would ''play with radios'' for a third of their
>life

Radio=1/3
Work=1/3
Sleep=1/3

Eliminate the need for work and you can play radio for 2/3 of your
life. 3/3 on Field Day weekend.

96. Cushman CE50-1-TG service monitor help needed

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 04:11:55 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <fizGf.18429$0i1.12936@trnddc04>
Source record: 1702
Cross-posted to: alt.ham-radio.atv,alt.ham-radio.eme,rec.radio.amateur.misc,rec.radio.amateur.space,rec.radio.cb

Hi,
I have a slightly sick Cushman CE50-TG-1 service monitor and was wondering if anyone has taken any voltage readings from a working unit they would be willing to share.
I need to check the voltages at test points 3 & 4 on the 29000 board with the frequency set between 9.9999mhz and 100khz. That should give me the normal range for both the A & B VCO's control voltage's. (referenced to chassis ground) Any other voltages would be helpful so I can note them for future reference.
Sure would have been nice if Cushman would have provided some basic voltage readings on the schematics.

Any help would be appreciated,
Thanks,
RoD

97. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 04:13:17 UTC
From: Noon-Air <Noon-Air@comcast.net>
Message-ID: <HOednQ7pG5DAXHfenZ2dnUVZ_tOdnZ2d@comcast.com>
Source record: 1703
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

"Al Klein" <rukbat@pern.invalid> wrote in message
news:e9dlu1l6en9cjcufg7pv1lqltv3pq19ees@4ax.com...
> On Wed, 08 Feb 2006 22:15:14 GMT,
> class-a-licensee-pkearn-zBBpk@didnt-run-away-from-a-morse-test.es.eircom.com.net
> (zBBPK) wrote:
>
>>yes..but amateurs are not normal.
>
>>who in their right mind would ''play with radios'' for a third of their
>>life
>
> Radio=1/3
> Work=1/3
> Sleep=1/3
>
> Eliminate the need for work and you can play radio for 2/3 of your
> life. 3/3 on Field Day weekend.

So where do beer, sex, and football fit in??

98. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 04:15:18 UTC
From: stargatesg1 <me@verizon.net>
Message-ID: <qlzGf.18480$0i1.10975@trnddc04>
Source record: 1704
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

During work....When else?? :-P
"Noon-Air" <Noon-Air@comcast.net> wrote in message
news:HOednQ7pG5DAXHfenZ2dnUVZ_tOdnZ2d@comcast.com...
>
> "Al Klein" <rukbat@pern.invalid> wrote in message
> news:e9dlu1l6en9cjcufg7pv1lqltv3pq19ees@4ax.com...
> > On Wed, 08 Feb 2006 22:15:14 GMT,
> >
class-a-licensee-pkearn-zBBpk@didnt-run-away-from-a-morse-test.es.eircom.com
.net
> > (zBBPK) wrote:
> >
> >>yes..but amateurs are not normal.
> >
> >>who in their right mind would ''play with radios'' for a third of their
> >>life
> >
> > Radio=1/3
> > Work=1/3
> > Sleep=1/3
> >
> > Eliminate the need for work and you can play radio for 2/3 of your
> > life. 3/3 on Field Day weekend.
>
> So where do beer, sex, and football fit in??
>
>

99. Re: ISS IS REPEATING SUITSAT SIGNALS on 437.800

Newsgroup: rec.radio.amateur.space
Date: 2006-02-09 17:07:15 UTC
From: Al Klein <rukbat@pern.invalid>
Message-ID: <8itmu11p47reh3lnuv02s1udp3358r2r7b@4ax.com>
Source record: 1705
Cross-posted to: alt.ham-radio,alt.ham-radio.slowscan,alt.ham-radio.vhf-uhf,rec.radio.amateur.space,rec.radio.scanner

On Wed, 8 Feb 2006 22:13:17 -0600, "Noon-Air" <Noon-Air@comcast.net>
wrote:

>"Al Klein" <rukbat@pern.invalid> wrote in message
>news:e9dlu1l6en9cjcufg7pv1lqltv3pq19ees@4ax.com...

>> Radio=1/3
>> Work=1/3
>> Sleep=1/3

>> Eliminate the need for work and you can play radio for 2/3 of your
>> life. 3/3 on Field Day weekend.

>So where do beer, sex, and football fit in??

Beer is one of the basic food groups, so it fits where you eat -
during Radio, I guess.

Sex ... er, Work? Sleep? Or, considering that Radio is
entertainment, ... [this is a family usenet].

Football doesn't fit into my life, so you'll have to do that one
yourself.

100. Re: Listen to SuitSat

Newsgroup: rec.radio.amateur.space
Date: 2006-02-10 12:38:58 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <20060210073908168O7%growl@tummycom>
Source record: 1706
Cross-posted to: rec.radio.amateur.space,sci.space.station

On 2006-02-08 17:14:29 -0500, "helmsman@mindspring.com"
<helmsman@mindspring.com> said:

> gsm@mendelson.com (Geoffrey S. Mendelson) wrote:
>
>> Thierry wrote:
>>
>>> Check its posiiton with NASA J-Pass tool.
>>
>> What do you do if you are NOT in the U.S.?
>
> Use Orbitron, it's free and it works!
> http://www.stoff.pl/

Ooops, no Mac version. I don't do windows.

101. Receiving VMS (Vessel Monitoring Signals) from Inmarsat-C

Newsgroup: rec.radio.amateur.space
Date: 2006-02-14 12:14:19 UTC
From: Michael <ccc73571@vip.cybercity.dk>
Message-ID: <DQjIf.48$Cw4.46@news.get2net.dk>
Source record: 1707

I have been playing around with receiving AIS (Automatic Identification System) signals. AIS is used on ships, it is used to send information about your position, etc via VHF to the surrounding ships. But know this started to get a bit boring. So know I wan to try to se if it is possibly to receive the VMS signals from Inmarsat-C. The VMS system is manly used on fishing vessels. On the ship there is a box with a gps and satellite tranciver. The position information is send each hour, to a land earth station, were it is distributed to the different authorities.

The first thing is to receive the signals. But also to decrypt the data can be complicated.

Any help or advices are welcome. Also if you have some good links to people ho have been dealing with projects like this, could be useful.

Cheers Michael

102. Re: Receiving VMS (Vessel Monitoring Signals) from Inmarsat-C

Newsgroup: rec.radio.amateur.space
Date: 2006-02-14 23:08:23 UTC
From: Greg <devnull@gravitywell.org>
Message-ID: <HptIf.44861$d5.201175@newsb.telia.net>
Source record: 1708

Receiving inmarsat is no problem, I used a 1.5m dish with a 3 turn helix
and the audio was crystal clear so a 1m should be fine.
I listened to the audio phonecalls , 1535-1545MHz, so I don't know
anything about the mode you want to decode...
//Greg

103. ANS-043 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-02-15 14:34:44 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <8_GIf.15881$rH5.7145@newsread2.news.atl.earthlink.net>
Source record: 1709

AMSAT NEWS SERVICE
ANS-043

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

****

In this edition:

* SuitSat is Still Alive
* AMSAT-UK Announces New Satellite Transponder Project
* AMSAT Awards This Week
* SuitSat Telemetry Requested
* ISS ARISS Packet Digipeater Turned OFF
* Bill Reaches 100+ on DXCC Quest From ISS
* January/February AMSAT Journal Update
* ARISS Status for the Week of February 6, 2006

SB SAT @ AMSAT $ANS-043.01
SuitSat is Still Alive

AMSAT News Service Bulletin 043.01
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.01

Over this past week SuitSat reception reports have been received from around the world. Everyone is in agreement that SuitSat's 145.990 MHz FM downlink signal is extremely weak. Using AMSAT's RF Link Budget spreadsheet along with data from well equipped amateur satellite stations (and a few assumptions to fill in the

gaps) calculations indicate that SuitSat's transmitter power is in the range of 1-10 milliwatts.

The following are representative of the SuitSat signal reports:

Reception reports from Kenneth, N5VHO and Nick, KC5KBO using the W5RRR station at the Johnson Space Center in Houston say, "Identifiable were brief portions of the English voice recording, the CW id and SSTV. The Telemetry data was just starting to be read when the signal faded below the noise level."

From Japan Kobayasi, JH0MHE copied SuitSat's signal peaking at 59+20dB on an EME system.

Mak, SV1BSX in Athens, Greece, using a 9 element vertically polarized Yagi antenna with his VHF All-Mode TRIO TR-9130 radio reported, "Suitsat SSTV signal heard on a pass over Eastern Europe at only 13° elevation! The signal was weak (no deflection on my S-meter) but 100% audible for few seconds in NBFM."

Keith, ZS6TW reported receiving SuitSat on a 50° pass using 2 X F9FT 17 elements yagis with 16dBd gain connected to a Yaesu FT-847. He copied the Russian language segment of the recorded message.

Stefan, VE4NSA in Winnipeg, Manitoba, Canada copied SuitSat on a 60° pass using a HyGain 216SAT 2M antenna with preamp connected to his Yaesu FT-847. He reported a weak FM signal S1-3, child voice making an announcement followed by male voice with strong fading.

Ed, N9AWP in Indiana reported hearing SuitSat's CW and SSTV signal followed by a heterodyne on a 53° elevation pass using an Arrow 3 element antenna connected to his Kenwood THF6A handheld in CW mode.

To listen to SuitSat recordings received around the world go to AJ's web page at http://www.aj3u.com.

SuitSat has continued to be covered by the popular press this past week. The Times Union in Albany, New York ran a story: http://timesunion.com/ss.asp?s=446685&c=&b=

The Times in London:
http://www.timesonline.co.uk/article/0,,13509-2027835,00.html

Gould, WA4SXM has written a PowerPoint presentation suitable for club talks. It is available on-line at:
http://www.reelfootarc.com/blg/article.php?id_art=31. Follow the blog article and click the link to the presentation. It is 3MB in size.

[ANS thanks amateur radio operators around the world for the above information]

/EX

SB SAT @ AMSAT $ANS-043.02
AMSAT-UK Announces New Satellite Transponder Project

AMSAT News Service Bulletin 043.02
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.02

AMSAT-UK is delighted to be able to announce its participation in the SSETI ESEO satellite project.

ESEO - The European Student Earth Orbiter is a satellite planned for launch in late 2008 into a Geo-stationary transfer orbit similar to the initial orbit of AO40 and to those planned for Eagle and P3E.

In December 2005 two AMSAT-UK members were invited to attend a SSETI Workshop at the European Space Agencies ESTEC facility in the Netherlands. This workshop, which lasted a week, had over eighty students in attendance from more than twenty universities around Europe.

The involvement of the AMSAT-UK team with the project was confirmed at the Workshop and the team were elected as "Honorary Members" of the SSETI Association in appreciation of their work supporting the previous SSETI Express project.

The prime communications system for ESEO is being developed by the University of Wroclaw in Poland and will operate on "commercial" S-Band space frequencies. It will provide all the usual telecommand and telemetry facilities and use standard ESA CCSDS packet communication techniques.

ESEO also has a need for a redundant communications system - one that can operate in the event of a primary system failure but can also function satisfactorily if and when the spacecraft is not in its intended earth-pointing mode. This is where AMSAT is planning to assist.

The current project calls for a unit that can receive telecommands from earth on UHF (435MHz), transfer those to the OBC via a CAN bus. Additionally, it must transmit telemetry and mission data to the ground on S-BAND (2.4GHz). We are planning to use omni-directional antenna systems so the data rate will necessarily be quite low although output power will be approximately 9 watts.

When in orbit, it is likely that the student experiments will be completed within a few weeks to months from launch after which time it will become available as a linear U/S mode transponder.

The ESEO spacecraft will have a rectangular structure and a mass of 120kg. The solar panels will be deployable and steerable while the propulsion system will use Nitrogen gas. The 50kHz wide mode U/S transponder will be switchable from a conventional linear design to a fully digital design based on DSP techniques using the G6LVB STELLA

firmware. Two UHF canted monopoles on opposite ends of the spacecraft will be used to receive signals on U band. The S Band output of 9 Watts will feed two turnstiles or quadrilifar helixes. As well as the transponder, the unit will also provide 400 bps BPSK telemetry in AO40 format.

Obviously we cannot expect the transponded signals on the ground to be as strong as we enjoyed from AO40 but they should provide worldwide communication similar to the earlier AO-13 project.

The AMSAT-UK team includes G4DDK, G7OCD, G6LVB, G0MRF, & G3VZV who were responsible for the S-Band transmitter on SSETI Express.

This new opportunity to participate in this exciting venture is very much a result of the impressive support that the amateur fraternity around the world gave to the SSETI Express project - so thank you and congratulations!

We can also report the good news that a student team from the Technical University of Budapest has been added to the SSETI programme to work on the on-board Electrical Power System. This team, under the leadership of Dr. Andras (Bandi) Gschwindt, HA5WH, has masterminded similar systems on AO10, AO13 and AO40 all of which have proven to be extremely successful.

More news will be published as soon as it becomes available through the usual channels. At the time of writing the SSETI ESEO webpages are not up-to-date but new information is being added regularly, so please check http://www.sseti.org

[ANS thanks Graham, G3VZV for the above information]

/EX

SB SAT @ AMSAT $ANS-043.03
AMSAT Awards This Week

AMSAT News Service Bulletin 043.03
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.03

Bruce, KK5DO, AMSAT Director Contests and Awards reports this week congratulations go out to all of the following.

John Choo VE7JRX Satellite Communicators Club Award
Bill Greene VE7WFG Satellite Communicators Club Award
Zachary Schrempp KE7EYQ Satellite Communicators Club Award
Masahiro Myoga N3LQ Satellite Communicators Club Award
Jack Burris K6JEB Satellite Communicators Club Award

Bill Ward GM0ICF Satellite Communications Achievement Award #428
Eric Christensen KF4OTN Satellite Communications Achievement Award #429

Zachary Schrempp KE7EYQ South Africa Communication Achievement Award #US93
Robert Fairfield K7RQN South Africa Communication Achievement Award #US94

Shigekazu Yoshikawa JE2TLZ 51 on 51 Award #61
Andrzej Laczmanski SP1WSR 51 on 51 Award #62

To see all the awards visit http://www.amsat.org.

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-043.04
SuitSat Telemetry Requested

AMSAT News Service Bulletin 043.04
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.04

The exact cause of SuitSat's transmitter power loss remains unknown. The transmitter and controller are still working. The voice messages, Telemetry and SSTV image is still being sent every 9 minutes on a repeating cycle.

While the downlink seems too weak for most stations to copy, if you have a tracking antenna system then the SuitSat team would like to hear from you when you are able to get some reliable telemetry information.

Specifically what we need is the following:

Temperature: Every few minutes the voice will speak the temperature
Battery Voltage: Its on a 28 volt scale.
Date and time UTC you heard this data.
Location: where you are when you head this data.

At the beginning of each 9 minute cycle, SuitSat-1 will ID and then speak the Mission time, Temperature and voltage. Richard, N2SPI was among the first to hear and record the complete telemetry message. Richard reports he copied the telemetry woman saying, "...(Mission) time is 006607 minutes, the temperature is 12 degrees celsius, the battery voltage is 26.(?) ... (volts)". This audio file is available on-line at the http://www.aj3u.com site.

If you hear CW, get ready to decode SSTV. The order will be a DTMF tone, followed by the CW ID and then SSTV. This is also a good time to listen for the System Telemetry. The Telemetry comes right after the SSTV image. Then the whole process repeats.

Lou, W5DID, one of SuitSat's builders, told ANS, "The estimate is Suitsat will run 9 days 9 hours. That will cover the weekend of February 11-12. We need telemetry! This is even more important as the mission nears it's end."

Frank, KA3HDO, AMSAT-VP for Human Spaceflight Programs, and also is the ARISS International Chairman, said, "Now, more than ever, we need to see how long SuitSat will stay in operation. The SuitSat team plans to provide

special recognition to the person that copies the last SuitSat telemetry, specifically the Mission Time and Battery Voltage."

Please send telemetry reports to suitsat@comcast.net.

[ANS thanks the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-043.05
ISS ARISS Packet Digipeater Turned OFF

AMSAT News Service Bulletin 043.05
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.05

Reminder: The ARISS packet mode aboard the ISS has been turned OFF for the duration of SuitSat project. Please do not transmit any packet or voice data on the 145.990 MHz SuitSat downlink frequency.

[ANS thanks the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-043.06
Bill Reaches 100+ on DXCC Quest From ISS

AMSAT News Service Bulletin 043.06
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.06

Bill was able to work a few more stations prior to and just after the space walk which deployed SuitSat-1 and now has exceeded the 100 mark.

The entities worked since the last report are Brunei (V8), Chagos Is. (VQ9), Falkland Is. (VP8), Malaysia, E. (9M6), Reunion (FR), Tajikistan (EY) and Trinidad & Tobago (9Y-9Z). The complete list of DXCC entities worked now stands at 102 countries worked from space.

This past week also had three school contacts on Cmdr. Bill McArthur's schedule. By the end of the last contact, Bill had made his 24th successful contact. That contact breaks the previous record of 23 set by Leroy Chiao during Expedition 10.

The contact record for an expedition was also broken this week and stands at 25 since Valery Tokarev also had a school contact with students in Russia earlier in the expedition.

With several weeks still left for Expedition 12, the final records have yet to be established.

Congratulations Bill and keep it up!

[ANS thanks Kenneth, N5VHO for the above information]

/EX

SB SAT @ AMSAT $ANS-043.07
January/February AMSAT Journal Update

AMSAT News Service Bulletin 043.07
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.07

Ed, WA4SWJ, Editor of The AMSAT Journal sends this update:

The January/February 2006 issue of The AMSAT Journal is completed. It is in for final proofreading. After comments are received and any corrections made, it will be shipped off to the printer and then into your hands. Thank you to all the contributors to this issue.

I also want to specifically thank Bill Hook, W3QBC, for his outstanding editing help. He is one of the most thorough guys I've ever known and he helps make the Journal significantly better.

Now is a great time to think about writing articles of your own for the next Journal. I always need content and actively seek it. I will help you get it into publishable form. Please contact me if you have something to place in the Journal.

The deadline for the next issue for editing is March 10th. This is a slightly earlier deadline than before. I would like to get the Journal out a little earlier in the two-month cycle. So get those keyboards heated up and send those articles in! The Journal's e-mail address is journal@amsat.org

[ANS thanks Ed, WA4SWJ for the above information]

/EX

SB SAT @ AMSAT $ANS-043.08
ARISS Status for the Week of February 6, 2006

AMSAT News Service Bulletin 043.08
From AMSAT HQ SILVER SPRING, MD.
February 12, 2006
To All RADIO AMATEURS
BID: $ANS-043.08

1. SuitSat Deployed
SuitSat was successfully activated and deployed during the February 3 EVA at 06:03 pm ET. The timing, micro-controller functions and audio have operated as expected; however, the signal from SuitSat is extremely weak. Ground stations with minimal equipment monitoring the satellite

have had limited success in hearing the satellite's transmissions, although some operators have picked up partial messages including the station identification RS0RS, one of the Russian greetings, and some SSTV image information. Stations are encouraged to continue listening to obtain any information and telemetry that might be helpful with this and any future projects of this type.

2. Media Coverage of SuitSat
It is clear that SuitSat has captured the imagination of students and the general public worldwide. The number of hits the SuitSat website http://www.suitsat.org received over the first 5 days of February approached 5 million, having been accessed either directly or from over 2000 referring sites. The international media coverage has been extensive. SuitSat articles have been translated into German, Polish, Italian, French, Japanese, Portuguese and others. ARISS, ARRL and AMSAT members gave interviews to The Houston Chronicle, the Canadian Broadcasting Corporation, the Associated Press, CBS, The Herald Times News, Florida Today, the Washington Post, the Washington Times, National Geographic News, the Discovery Channel and National Public Radio. Reports were given by these and other media including MSNBC, CNN and Aljazeera. NASA television covered the deployment live. Links to some of the on-line articles from the past week follow.

Pre-Deployment
From Playfuls.com (Targu Mures,Romania)
"Used Space Suits, The Latest Trend In Satellites"
http://www.playfuls.com/news_0958_Used_Space_Suits_The_Latest_Trend_In_Satellites.html

The Discovery Channel
"Spacesuit Set To Become Satellite"
http://dsc.discovery.com/news/briefs/20060130/suitsat_spa.html

NPR
Interview with ARISS Chairman, Frank Bauer
"Space Suit to Orbit Earth" (Includes audio)
http://www.npr.org/templates/story/story.php?storyId=5183146

A Polish translation of the SuitSat paper resulted in an article published for the general public at AstroNet, the most popular astro-portal in Poland.
http://news.astronet.pl/news.cgi?5236
Another article was posted for ham operators at the Polish Amateur Radio Union.
http://pzk.org.pl/modules.php?op=modload&name=News&file=article&sid=1019&mode=thread&order=0&thold=0

ARRL
"Countdown is On for 'SuitSat-1' Deployment from ISS"
http://www.arrl.org/news/stories/2006/02/01/2/?nc=1

CBS News
http://www.cbsnews.com/htdocs/space_place/framesource_recent.html

CNN
"One small step for trash is giant leap for ham-kind"
http://www.cnn.com/2006/TECH/space/02/02/recycled.spacesuit.reut/index.html

Post Deployment - SuitSat Activated
ARRL
"'SuitSat-1' Launched from ISS"
http://www.arrl.org/news/stories/2006/02/03/103/?nc=1

MSNBC
"Spacesuit floats off to become a satellite"
http://www.msnbc.msn.com/id/11162380/

Aljazeera
http://english.aljazeera.net/NR/exeres/AF1CA663-BD6D-4C81-8A9A-0623C50220D9.
htm

AMSAT
http://www.amsat.org/amsat-new/index.php

Yahoo.com
"Spacesuit Still Alive, Giving Weak Signal"
http://news.yahoo.com/s/ap/20060205/ap_on_sc/space_station

Spaceflight Now
"Castaway spacesuit radio experiment still alive"
http://www.spaceflightnow.com/station/exp12/060204suitsat.html

3. SuitSat-1 is AMSAT-OSCAR-54
SuitSat-1 has been given an Orbiting Satellites Carrying Amateur Radio
(OSCAR) number. It has been denoted AMSAT-OSCAR-54.

4. Florida School Contact Successful
On Thursday, February 2, Bill McArthur, KC5ACR, answered 13 questions
posed to him by 13 Timber Creek High School students in Orlando,
Florida. Sarah Longino, longtime friend of McArthur's, was the coordi-
nating teacher for the contact. Approximately 100 students, teachers,
and parents gathered for the event. John Winn, Commissioner of Education
for the state of Florida, was also present. Among the media covering
the event were the Orlando Sentinel, CBS affiliate WKMG, Orange County
Public Schools Public Relations office, East Orlando Sun, and the
Timber Creek newspaper and television station. The Orlando Sentinel
article, "Biology students connect with space station," may be viewed
on their website:
http://www.orlandosentinel.com/news/custom/space/orl-spacestation0306feb03,0
,4677459.story?coll=orl-home-headlines

Echolink and IRLP were both used for the event. Echolink had 32 con-
nections from the following 9 countries: USA, Japan, Germany, Australia,
Korea, Russia, Thailand, Turkey, and the UK. IRLP had 10 connecting
nodes from the U.K., U.S.A., Canada, Japan, and Australia.

Dale High School in Dale, Oklahoma completed an ARISS contact on Tuesday,
February 7 at 14:56 UTC.

E.L. DeGolyer Elementary School in Dallas, Texas completed an ARISS contact on Tuesday, February 7 at 16:32 UTC.

Children at Pine Ridge Middle School in Naples, Florida completed an ARISS contact on February 8 at 15:24 UTC. The contact included students from neighboring Immokalee Middle School.

5. Upcoming School Contacts
Cosmos Centre Charleville in Charleville, Australia has been approved for an ARISS contact. It is planned for Friday, February 17 at 07:34 UTC via the telebridge station WH6PN in Hawaii. The audio from this contact will be available on the EchoLink AMSAT (node 101 377) and the JK1ZEW (node 277 208) conference rooms. It is expected to be fed into the 9010 IRLP Discovery Reflector as well. The event will be webcast.
To join the event:
URL: https://e-meetings.mci.com
CONFERENCE NUMBER: 1642340
PASSCODE: SPACE STATIO

The Discover Engineering Family Day event, which will be held at the National Building Museum in Washington, D.C. on Saturday, February 18, has been scheduled for a contact at 16:04 UTC. The telebridge station WH6PN in Hawaii will assist in the contact. The audio will be available on the EchoLink AMSAT (node 101 377) and the JK1ZEW (node 277 208) conference rooms. It is also expected to be fed into the 9010 IRLP Discovery Reflector. The event will be webcast.
To join the event:
URL: https://e-meetings.mci.com
CONFERENCE NUMBER: 1642601
PASSCODE: SPACE STATIO

6. ARISS International Meeting Held
The monthly ARISS International Team meeting was held on January 24. SuitSat, training of the next taxi flight crew member, Marcos Pontes and the Columbus Module were discussed. Minutes have been posted to the ARISS website. See: http://www.rac.ca/ariss/arisstel23.htm.

[ANS thanks Carol, KB3LKI, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, WB9JEJ
WB9JEJ at amsat dot org

104. cute1.7 new 21.02.2006

Newsgroup: rec.radio.amateur.space
Date: 2006-02-18 17:34:05 UTC
From: Adrian SP8AQK <szumik@op.pl>
Message-ID: <dt7lqd$s1i$1@news.onet.pl>
Source record: 1710

http://lss.mes.titech.ac.jp/ssp/cubesat/index_e.html

105. ANS-050 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-02-19 16:52:00 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <Qm1Kf.738$S25.75@newsread1.news.atl.earthlink.net>
Source record: 1711

AMSAT NEWS SERVICE
ANS-050

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* SuitSat Telemetry Analysis Continues
* OSCAR SKN Best Fist Winners
* AMSAT Awards Issued
* ARISS Status - 13 February 2006

SB SAT @ AMSAT $ANS-050.01
SuitSat Telemetry Analysis Continues

AMSAT News Service Bulletin 050.01
From AMSAT HQ SILVER SPRING, MD.
February 19, 2006
To All RADIO AMATEURS
BID: $ANS-050.01

SuitSat Telemetry Shows Conditions in Space

Amateur radio stations have continued to provide reception reports from SuitSat over the past week. The recorded voices along with the SSTV signal have been heard.

Richard, N2SPI has paid close attention to the telemetry voice on SuitSat and has provided notable data regarding the temperature inside the Orlan spacesuit and the battery voltage powering the electronics.

Richard's temperature data shows that the temperature has been rising at somewhat less than 1°C per day. The temperature was 12°C on February 8 and had risen up to 16°C by February 16. This is valuable data in light of an earlier hypothesis that SuitSat's batteries had frozen.

The battery voltage is based on a 28 volt scale. Richard's data captured on February 8 shows the battery at 26.7 volts. The voltage has slowly dropped over the past week with the batteries at 26.3 volts on

February 16. This is only a drop of 0.4 volts during this period.

Lou, W5DID, one of SuitSat's builders, said, "The telemetry data becomes even more important as the mission nears it's end. As the battery voltage nears 12V, the regulator will no longer be able to maintain 12v output. At a battery voltage below 9V all transmissions will cease. The computer will continue to operate down to 3V although with no transmissions, Suitsat will appear dead. I expect this drop off to occur very rapidly."

And the end may be near. Richard has continued his work on receiving SuitSat's telemetry and provides this analysis, "Between February 15 to February 16, the battery voltage dropped only 0.2 volts. In the time between February 16 to February the battery voltage dropped 1.1 volts.

As you can see, there is a noticeable acceleration in the rate of battery voltage change. This battery appears to have a "knee" in its discharge characteristic. If this is so, it appears we have now dropped over the "knee".

This data is important since SuitSat-1 is the first flight experiment using the discarded Orlan spacesuit as a low-cost platform to carry experiments in a short-term, low earth orbit. Well done, Richard!

Frank, KA3HDO, AMSAT-VP for Human Spaceflight Programs, and also is the ARISS International Chairman, said, "Now, more than ever, we need to see how long SuitSat will stay in operation. The SuitSat team plans to provide special recognition to the person that copies the last SuitSat telemetry, specifically the Mission Time and Battery Voltage."

[ANS thanks Richard, N2SPI, and the ARISS team for the above information]

/EX

SB SAT @ AMSAT $ANS-050.02
OSCAR SKN Best Fist Winners

AMSAT News Service Bulletin 050.02
From AMSAT HQ SILVER SPRING, MD.
February 19, 2006
To All RADIO AMATEURS
BID: $ANS-050.02

Many thanks to all who participated in Straight Key Night on OSCAR 2006. The following operators, listed alphabetically by call sign, each received at least one "Best Fist" nomination from someone they worked. Most of these received multiple nominations.

Keith O'Brien, N4ZQ
Andy MacAllister, W5ACM
Cliff Buttschardt, K7RR
Kerry LaDuke, WC7V
Joe Prokop, KC8RAN

Grant Zehr, AA9LC
Frank Wiesenmeyer, K9CIS

Congratulations to all of our 2006 winners. See you next year!

[ANS thanks Ray, W2RS for the above information]

/EX

SB SAT @ AMSAT $ANS-050.03
AMSAT Awards Issued

AMSAT News Service Bulletin 050.03
From AMSAT HQ SILVER SPRING, MD.
February 19, 2006
To All RADIO AMATEURS
BID: $ANS-050.03

Congratulations go out to all of the following:

Mike Driggers, W5CRT, Satellite Communicators Club Award

Zachary Schrempp, KE7YEQ, AMSAT Satellite Communications Achievement Award #429

Perry Yantis, WB8OTH, W4AMI Basic Award #40 with endorsements for 2K, 3K and 4K

Perry Yantis, WB8OTH, W4AMI 5,000 Award #19

David Romero, EB4DEH, 51 on 51 Award #63

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-050.04
ARISS Status - 13 February 2006

AMSAT News Service Bulletin 050.04
From AMSAT HQ SILVER SPRING, MD.
February 19, 2006
To All RADIO AMATEURS
BID: $ANS-050.04

1. SuitSat Status

Reports from 12 February indicate that SuitSat is still active. Deployed on February 3, SuitSat has been transmitting greetings and telemetry continuously ever since, although the signal strength is weaker than had been anticipated. The http://www.suitsat.org website has received nearly 8 million hits this month, and some of the audio and SSTV images received by stations around the world have been posted to this website:

http://www.aj3u.com/blog/.

Stations should continue to listen for SuitSat and are asked to share any telemetry received that might be helpful with this project.

SuitSat has excited both students and the general public to the point that some individuals have expressed interest in obtaining amateur radio licenses. It has also sparked an interest in those who already have their amateur radio licenses, and because of this project are either cleaning up their current equipment or upgrading their stations. This project has also resulted in a few new ARISS recruits. ARRL ran a few web stories on SuitSat status. See: "'SuitSat-1' is Now AO-54; Reports Persist of Weak Signals"
http://www.arrl.org/news/stories/2006/02/07/2/?nc=1
and "New York Station Copies Complete 'SuitSat-1' Telemetry"
http://www.arrl.org/news/stories/2006/02/08/5/?nc=1

2. Dale, Oklahoma Contact Successful

On Tuesday, February 7, fourteen students from Dale High School in Dale, Oklahoma asked 15 questions of Bill McArthur, KC5ACR, in front of a crowd of 500 students, faculty, and guests. Dale Public Schools have a total enrollment of 700 and all of the students from grades 3 through 12 were present for the contact. Two Oklahoma City television stations, several newspapers, and CQ VHF Magazine covered the event. Coy Day, ARRL West Gulf Division Director, and John Thomason, ARRL Oklahoma Section Manager, were both present. After an 80 minute break, the same students that asked the Dale questions read the DeGolyer questions while listening to the DeGolyer Contact. Channel Oklahoma ran an article, "Students Get Space Age Treat." See:
http://www.channeloklahoma.com/education/6819161/detail.html

3. Dallas School Contact Successful

On Tuesday, February 7, Bill McArthur, KC5ACR, answered another 17 questions posed to him by 17 students at E.L. DeGolyer Elementary School in Dallas, Texas. Students, teachers, and parents gathered in the auditorium to watch the event. Jim Haynie, ARRL Past President, and Tom Blackwell, ARRL North Texas Section Manager, also attended. The Dallas Independent School District Video Production Crew produced a documentary of this event which included the Space Day activities that preceded it.

DeGolyer is one of ARRL's Big Project schools, and as such, an amateur radio station was added to the school, sponsored by the ARRL. Students who participated in the contact were licensed Amateur Radio operators. DeGolyer students also participated in AMSAT's 2002 Annual Meeting held in Fort Worth. The 5th grade students may be seen building S-band antennas for the AO-40 satellite (from cardboard boxes and aluminum foil) on the following website: http://www.pbase.com/tomcat/kids__amsat.

Dallas News covered the DeGolyer contact in an article, "Students have a stellar dialogue." See:

http://www.dallasnews.com/s/dws/news/localnews/stories/DN-spacetalk_08met.ART.North.Edition2.73e882d.html

4. Naples, Florida School Contact Successful

On February 8, twelve children from two Florida NASA Explorer Schools, Pine Ridge Middle School and Immokalee Middle School, asked 12 questions of Bill McArthur, KC5ACR. An audience of approximately 150 gathered in Pine Ridge's multipurpose room to witness the contact as it was broadcast to all Pine Ridge Middle school classes via closed circuit TV, and was webcast to the entire school district. Pine Ridge and Immokalee students, NES teachers Sally Johnson, Bob Call, Lori Cadwell and Sharon Lea, forty students and teachers from Naples Lutheran Academy, Collier County Commissioner Frank Halas, Collier

County Superintendent of Schools Ray Baker, Collier County School Board member Patricia Carroll, Pine Ridge Middle School Principal George Brenco, Pine Ridge Assistant Principal David Mankiewicz, many district level administrators, and Pine Ridge Middle school parents were present. The radio operator during the event was Taylor Dunfee, K4TKD, a student at Gulf Coast High School. Two television stations, WINK News and FOX News filmed the event. A local radio station interviewed the coordinating teacher, Sharon Lea, and the Naples Daily News also covered the event.

5. ARRL Article on West Point, Timber Creek Contacts

ARRL covered the West Point and Timber Creek contacts in an article, "Very Full Schedule Keeps Space Station Crew Hopping, Cadets Told." See: http://www.arrl.org/news/stories/2006/02/10/1/?nc=1

6. McArthur Completes DXCC, Sets new Record

Bill McArthur made a few contacts before and after last week's EVA, and has now exceeded the 100 countries needed for his DXCC award. He adds this to his awards for Worked All States and Worked All Continents on both UHF and VHF, which he completed earlier in this expedition.

McArthur participated in three school contacts this week, giving him a total of 24 successful contacts during a single increment. This breaks the previous record of 23 set by Leroy Chiao during Expedition 10. Congratulations Bill!

On February 10, ARRL posted a story on McArthur's accomplishments. See: http://www.arrl.org/

7. ISS Contact Piques Educators' Interest

ARISS member Kenneth Ransom of JSC attended a Space Explorers conference on Sunday, February 5 and spoke with approximately 12 educators about the SuitSat project. While giving his talk, the teachers followed him outside for an Amateur Radio demonstration using the International Space Station. As the ISS was overhead at that time, Kenneth had the good fortune to speak with astronaut Bill McArthur onboard the Space Station.

This impromptu contact generated much interest among his audience in ham radio and its use in the classroom.

8. ARISS School Selection Committee Meeting Held

The bimonthly ARISS Educational Outreach/School Selection Committee meeting was held on Thursday, February 9. Among the items discussed were the school contacts, lesson plans, and FCC regulations on third party traffic. The minutes have been posted on the ARISS website. See: http://www.rac.ca/ariss/arissschm.htm

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS
ku4os at amsat dot org

106. WSR-050 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-02-21 15:02:39 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <jYFKf.1586$S25.611@newsread1.news.atl.earthlink.net>
Source record: 1714

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-050.S1
WSR 050 Part 1 02/19/2006

AMSAT NEWS SERVICE BULLETIN 050.S1 FROM AMSAT HQ
SILVER SPRING, MD, February 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-050.S1

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Operational?
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org

Current reports state that nothing has been heard from SUITSAT for the
past few days.
Current status is unknown right now.
[02192006]
=====
VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW
```

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - V/U 9K6
Voice Repeater - OFF
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

Feb 20
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 27
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digita
[02192006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS

Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24
hour
timer that changes the mode schedule at approximately 0900z each day.
The
timer alternates the satellite's operational mode between Mode A and
Mode B.

Please use QRP when operating on AO-7! There are no batteries, and
excessive
power may cause unexpected behavior and possibly damage the satellite.
Mode
B users are likely to experience a Mode change from Mode B to Mode C if
the
buss voltage drops. This will be marked by a decrease in signal
strength
from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March
2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER V/U ?
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from

2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-050.S2
WSR 050 Part 2 02/19/2006

AMSAT NEWS SERVICE BULLETIN 050.S2 FROM AMSAT HQ
SILVER SPRING, MD, February 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-050.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER - V/U
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from
2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi

This from Bob, WB4APR:

PCSAT2 was off due to low-power shut down for more than a week. We
recover-
ed her on Saturday. She should be doing telemetry once every 30 seconds
now.
[02122006]
=====
AO-51 ECHO
Catalog number: 28375

Launch date: June 29, 2004

Status: Testing
Curent Mode: PBBS - V/U 9K6
Voice Repeater - OFF
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Schedule from the AO-51 Command Team:

Feb 20
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active, Digipeater ON
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

Feb 27
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digita
[02192006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).

Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

Users of OSCAR-11 may be interested in recent additions to my website.
Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and
may be used instead of CTERM. It features an accurate time stamp
facility,
which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include
all
the 2005 data. The URL is http://www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on
145.826 MHz. has been heard from 23 to 31 December and from 11 to 21
January.

Signals during the December passes were very variable. Sometimes
received at
good strength, at other times they were inaudible , even with the BFO
switch-
ed ON (ie. in CW mode). Signals during the January passes tended to be
much
stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21
January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09
December. However, the rate of change of clock error appears to vary
between
zero and half an hour per day, over short periods. The greatest changes
seem

to correspond with poor signals, which suggests that the clock may slow or
stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite,
instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle, ie. approximately ten days ON followed by 10 days OFF. However, at
any time, poor solar attitude, and battery problems, may result in a low 14
volt line supply, which may cause the beacon to switch OFF prematurely, and
reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There
is software for capturing data, and decoding ASCII telemetry. The URL is
www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.
[01292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-050.S3
WSR 050 Part 3 02/19/2006

AMSAT NEWS SERVICE BULLETIN 050.S3 FROM AMSAT HQ
SILVER SPRING, MD, February 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-050.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?O-??
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM

[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK

Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-050.S4
WSR 050 Part 4 02/19/2006

AMSAT NEWS SERVICE BULLETIN 050.S4 FROM AMSAT HQ
SILVER SPRING, MD, February 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-050.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?O-??
Catalog number:
Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress
Uplink: Submission in Progress
Callsign: Submission in Progress
[11272005]
=====
PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[10022005]
=====
CP1 ?o-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]
=====
CP2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]
=====
HAUSAT1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]
=====
ICE Cube 1 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]
=====
ICE Cube 2 ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]
=====
ION ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]
=====
KUTEsat ?O-??

Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]
=====
MEROPE ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980
[03272005]
=====
RINCON ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SACRED ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]
=====
SEEDS ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]
=====
Mea Huaka ?O-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

107. Re: Receiving VMS (Vessel Monitoring Signals) from Inmarsat-C

Newsgroup: rec.radio.amateur.space
Date: 2006-02-21 15:34:13 UTC
From: Michael <ccc73571@vip.cybercity.dk>
Message-ID: <43f9e182$0$178$edfadb0f@dread16.news.tele.dk>
Source record: 1712

I have now started up a Yahoo group, to get this thing going. You are
welcome to join
it at http://groups.yahoo.com/group/vms_group.

"Greg" <devnull@gravitywell.org> wrote in message
news:HptIf.44861$d5.201175@newsb.telia.net...
> Receiving inmarsat is no problem, I used a 1.5m dish with a 3 turn helix
> and the audio was crystal clear so a 1m should be fine.
> I listened to the audio phonecalls , 1535-1545MHz, so I don't know
> anything about the mode you want to decode...
> //Greg
>
>

108. Receive VMS from Inmarsat and decode the signals.

Newsgroup: rec.radio.amateur.space
Date: 2006-02-21 17:26:46 UTC
From: Michael <ccc73571@vip.cybercity.dk>
Message-ID: <43f9fbfb$0$173$edfadb0f@dread16.news.tele.dk>
Source record: 1713

My name is Michael. I'm educated as electronic mechanic. I started a project with the goal to receive and decode the VMS signals from Inmarsat. VMS system is manly used on fishing vessels. On the ship there is a box with a gps and satellite transceiver. The
position information is send each hour, to a land earth station, were it is distributed to the different authorities. I hope that many of you will help and contribute to get this working, because I don't have all the skills my self.

First I started to ask people in different news group about the subject. But I now realized that it will be a bigger task. So I have made a Yahoo group to get this thing going. I have in this group posted the information I have gathered until now. If you think you maybe can contribute to the project then, or is interested in this as well, then please join at

http://groups.yahoo.com/group/vms_group

Cheers Michael

109. ANS-057 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-02-27 16:55:41 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <haGMf.4313$S25.3095@newsread1.news.atl.earthlink.net>
Source record: 1715

AMSAT NEWS SERVICE
ANS-057

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Cute Sat 1.7 Launched
* SuitSat Gone??
* AMSAT Newsreel Update
* ARISS Status - 20 February 2006

SB SAT @ AMSAT $ANS-057.01
Cute Sat 1.7 Launched

AMSAT News Service Bulletin 057.01
From AMSAT HQ SILVER SPRING, MD.
February 26, 2006
To All RADIO AMATEURS
BID: $ANS-057.01

CUTE SAT 1.7 has been launched and has been heard on the air by various stations throughout the world.
Information available at:
http://lss.mes.titech.ac.jp/ssp/cute1.7

It will have uplink packet capability on 1.2ghz and 144mhz with downlink data on 437mhz. More info is available on the website.

The downlink for CW Beacon is 437.385. Listen fot it!

[ANS thanks the LSS team for the above information]

/EX

SB SAT @ AMSAT $ANS-057.02
SuitSat Gone?

AMSAT News Service Bulletin 057.02
>From AMSAT HQ SILVER SPRING, MD.

February 26, 2006
To All RADIO AMATEURS
BID: $ANS-057.02

As it become certain that SuitSat-1 had reached the end of its mission, Frank, KA3HDO, who is AMSAT-VP for Human Spaceflight Programs, as well as the ARISS International Chairman wrote an extensive summary of the exciting worldwide teaching and learning opportunity.

Frank said, "SuitSat-1/Radioskaf/AO-54 the mission that has captured the imagination of people and students around the world---is now a confirmed silent key. The outreach, press requests and visibility of SuitSat was absolutely amazing and appears to be unprecedented for a ham radio event. While the press requests are just now starting to wane, we expect that you will continue to see SuitSat status reports and pictures in magazines, websites and other literature over the next few months.

The last confirmed reception of the SuitSat voice audio was on Saturday, February 18 by Bob King's station, VE6BLD in Canada. The last confirmed telemetry was received by Richard Crow's station, N2SPI in the USA. Richard copied the SuitSat-1 voltage dropping precipitously to a low of 18.3 volts before vehicle stopped transmitting. A graphic representation of Richard's telemetry data showing the battery voltage can be seen at http://www.amsat.org.

While the transmission part of the SuitSat experiment was not stellar, SuitSat-1 has been tremendously successful in several areas. Some of these successes include:
- We captured the imagination of students and the general public worldwide through this unique experiment.
- The media attention to the SuitSat project was tremendous.
- We have had well over 9 million internet hits at http://www.suitsat.org.
- Our student's creative artwork, signatures and voices have been carried in space and are on-board the spacesuit---the students are now space travelers in the Suit as it circles the Earth. This was a collaboration with the NASA Explorer Schools.
- The ARISS international team was able to fabricate, test and deliver a safe ham radio system to the ISS team 3 weeks after the international space agencies agreed to allow SuitSat to happen. This was a tremendous feat in of itself.

And most importantly,

- We successfully deployed an amateur radio satellite in a Spacesuit from the ISS, demonstrating to the space agencies that this can be safely done. This engineering accomplishment will open new opportunities for small, low cost satellites in the future.

The AMSAT/ARISS team have been talking about a SuitSat-2. Correcting the signal strength issue would be a top priority for this flight. So would be a longer term power generation device, like solar arrays. As our thoughts mature on this, we will keep you informed of our plans.

SuitSat-1/Radioskaf/AO-54 represented a space pioneering effort. While we did not have total success, we captured the imagination of students and the general public worldwide. And we have learned a lot from this activity. This will help us and others grow from this experience.

On behalf of the AMSAT, ARISS and SuitSat teams, I thank you all for your help, encouragement and advice."

73, Frank H. Bauer, KA3HDO
AMSAT-VP for Human Spaceflight Programs
ARISS International Chairman

[ANS thanks ARISS for the above adventure]

/EX

SB SAT @ AMSAT $ANS-057.03
AMSAT Newsreel Update

AMSAT News Service Bulletin 057.03
From AMSAT HQ SILVER SPRING, MD.
February 26, 2006
To All RADIO AMATEURS
BID: $ANS-057.03

On the AMSAT website http://www.amsat.org. , there is a section where you can see video newsreels of events and items of interest. They are very well produced and professionaly put together. The latest one for February 2006 can be seen from the AMSAT website. Plan on taking a look and updating your facts about AMSAT. There are some very interesting talks and ideas for presentations to all AMSAT members and the area coordinators.

[ANS thanks Don, WB5EKU for the above information]

/EX

SB SAT @ AMSAT $ANS-057.04
ARISS Status - 20 February 2006

AMSAT News Service Bulletin 057.04
From AMSAT HQ SILVER SPRING, MD.
February 26, 2006
To All RADIO AMATEURS
BID: $ANS-057.04

ARISS Status
February 20, 2006

1. Australia Contact Successful

On February 17, students at the Cosmos Centre Charleville in Charleville, Australia experienced a successful ARISS contact with Bill McArthur, KC5ACR, via the telebridge station WH6PN in Hawaii. Eight children asked 17 questions of the astronaut as an audience of 50 looked on. The event was covered by Southern Cross TV, the Australian

Broadcasting Commission (ABC) which was broadcast nationwide, and the local media. The audio was webcast, courtesy of Verizon Conferencing, and was fed through the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference rooms. Twenty-one connections were made to Echolink from the following countries: Australia, Japan, Russia, USA, UK, Netherlands, Slovak Republic, Czech Republic, and Thailand. Five stations from Canada, Australia and Japan made connections to IRLP Discovery Reflector 9010 and the audio was also streamed on www.discoveryreflector.ca

2. Engineering Day Contact Successful

On Saturday, February 18, sixteen children attending the Discover Engineering Family Day made contact with the Space Station via the telebridge station, WH6PN, in Hawaii. Bill McArthur, KC5ACR, answered 16 questions. Prior to the event, the ARISS contact was publicized in the Weekend edition of the Washington Post newspaper and was described on many of the local TV
broadcast channels. Approximately 7000 people attended the event held in the National Building Museum. The contact audio was webcast and was fed through the Echolink AMSAT (node 101 377) and JK1ZEW (node 277 208) conference rooms and the IRLP Discovery Reflector 9010. Eighteen connections were made to Echolink from the USA, Canada, the UK, Columbia, Japan, and the Czech Republic.

In addition to the contact, a team of volunteers from AMSAT supported the ARISS booth the entire day of the Engineering Family Day function. The team provided a hands-on view of the ham radio equipment used on ISS, provided updates on the SuitSat project, and handed out information on ham radio and the ARISS program to children and their parents and guardians.

3. SuitSat Status

SuitSat was last heard from on Saturday, February 18 at 03:30 UTC. ARRL ran an article covering the satellite's suspected demise entitled, "SuitSat-1 Battery Voltage May Be on Downward Slide." See: http://www.arrl.org/news/stories/2006/02/17/5/?nc=1

4. News Article on Pine Ridge Contact

Naples News covered the ARISS contact between Bill McArthur and the NASA Explorer Schools - Pine Ridge and Immokalee Middle Schools. The article, "Live from Space," may be found at: http://www.naplesnews.com/news/2006/feb/13/middle_school_students_chat_astronaut_he_orbits_ov/?local_news

5. ARRL Article on Dale High and DeGolyer Contacts

ARRL wrote a web story covering the Dale High School and DeGolyer Elementary School contacts. To view, "Back-to-Back ARISS School Group QSOs Attest to Ambitious Contact Schedule," see: http://www.arrl.org/news/stories/2006/02/16/1/?nc=1

6. ARRL Article on New Astronauts

On February 15, ARRL ran a story entitled, "Several new astronauts are Amateur Radio licensees." See: http://www.arrl.org/

7. Astronaut Training Session

A second Amateur Radio training session has been tentatively scheduled for the remaining 2004 astronaut class. The class is planned for Friday, February 24. Astronauts Randy Bresnik, Jim Dutton, Shane Kimbrough, Tom Marshburn, and Bobby Satcher will attend. Astronaut Chris Cassidy will be scheduled for his second session at a later date.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F
nb2f at amsat dot org

110. WSR-057 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-02-28 14:45:14 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthlink.net>
Message-ID: <_IZMf.4824$S25.4085@newsread1.news.atl.earthlink.net>
Source record: 1716

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-057.S1
WSR 057 Part 1 02/26/2006

AMSAT NEWS SERVICE BULLETIN 057.S1 FROM AMSAT HQ
SILVER SPRING, MD, February 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-057.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Modes: FM Repeater, V/U
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)TLM Data
Active
Voice Repeater - ON
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

Feb 27
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[02262006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)

Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24 hour
timer that changes the mode schedule at approximately 0900z each day. The
timer alternates the satellite's operational mode between Mode A and
Mode B.

Please use QRP when operating on AO-7! There are no batteries, and excessive
power may cause unexpected behavior and possibly damage the satellite. Mode
B users are likely to experience a Mode change from Mode B to Mode C if the
buss voltage drops. This will be marked by a decrease in signal strength
from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March 2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER V/U ?
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from
2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-057.S2
WSR 057 Part 2 02/26/2006

AMSAT NEWS SERVICE BULLETIN 057.S2 FROM AMSAT HQ
SILVER SPRING, MD, February 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-057.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:

http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: CROSSBAND REPEATER - V/U
Digipeater: OFF

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

Currently, the ISS equipment is configured into crossband repeater mode
from
2m to 70cm to help broaden the range of Suitsat. PLEASE REFRAIN FORM
TRANS-
MITTING WHILE SUITSAT IS ACTIVE.
[02062006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi

This from Bob, WB4APR:

PCSAT2 was off due to low-power shut down for more than a week. We
recover-
ed her on Saturday. She should be doing telemetry once every 30 seconds
now.
[02122006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)TLM Data
Active
Voice Repeater - ON
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:

Feb 27
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)TLM Data Active
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[02262006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

Users of OSCAR-11 may be interested in recent additions to my website.
Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and
may be used instead of CTERM. It features an accurate time stamp
facility,
which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include all
the 2005 data. The URL is http://www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on
145.826 MHz. has been heard from 23 to 31 December and from 11 to 21
January.

Signals during the December passes were very variable. Sometimes received at
good strength, at other times they were inaudible , even with the BFO switch-
ed ON (ie. in CW mode). Signals during the January passes tended to be much
stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21
January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09
December. However, the rate of change of clock error appears to vary between
zero and half an hour per day, over short periods. The greatest changes seem
to correspond with poor signals, which suggests that the clock may slow or
stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when
eclipses will start again. This should help the satellite to continue
transmitting, although continuous sunlight can cause problems due to
excessive temperatures. Power supply problems can be caused by poor
pointing attitude, ie the sunlight illuminating the ends of the satellite,
instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day
cycle, ie. approximately ten days ON followed by 10 days OFF. However, at
any time, poor solar attitude, and battery problems, may result in a low 14
volt line supply, which may cause the beacon to switch OFF prematurely, and
reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which
contains an archive of news & telemetry data. It also contains details
about using a soundcard or hardware demodulators for data capture.
There
is software for capturing data, and decoding ASCII telemetry. The URL
is
www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please
use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.
[01292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-057.S3
WSR 057 Part 3 02/26/2006

AMSAT NEWS SERVICE BULLETIN 057.S3 FROM AMSAT HQ
SILVER SPRING, MD, February 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-057.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====

KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]

=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK

(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
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SB SAT @ AMSAT W8ISS $ANS-057.S4
WSR 057 Part 4 02/26/2006

AMSAT NEWS SERVICE BULLETIN 057.S4 FROM AMSAT HQ
SILVER SPRING, MD, February 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-057.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

111. ANS-064 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-03-06 01:08:42 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <uYLOf.134$k75.19@newsread3.news.atl.earthlink.net>
Source record: 1717

AMSAT NEWS SERVICE
ANS-064

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* AMSAT-NA BoD Nominations Due June 12, 2006
* Request for AMSAT Journal Articles
* SuitSat Visual Sighting Reported
* SuitSat in the Classroom
* ARISS Status February 27, 2006
* Aurora Surprise

SB SAT @ AMSAT $ANS-064.01
AMSAT-NA BoD Nominations Due June 12, 2006

AMSAT News Service Bulletin 064.01
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.01

NOTICE

AMSAT-NA Board of Directors Nominations Due No Later than June 12, 2006

It is time to submit nominations for the upcoming open seats on the AMSAT-NA Board of Directors. A nomination requires either one Member Society or five current individual members to nominate an AMSAT member for the position. A Director serves for a period of two years. Three Directors' terms expire this year: Tom Clark, K3IO, Lou McFadin, W5DID and Paul Shuch, N6TX. Nominations MUST be in writing and mailed to:

AMSAT
850 Sligo Ave #600
Silver Spring MD 20901

[ANS thanks Martha, AMSAT Manager for the above information]

/EX

SB SAT @ AMSAT $ANS-064.02
Request for AMSAT Journal Articles

AMSAT News Service Bulletin 064.02
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.02

Ed Long, WA4SWJ, AMSAT Journal Editor, passed along the following:

"Hi Everyone...

Just a note to let all you authors know that I am looking for articles for the March/April 2006 issue of The AMSAT Journal. I am trying to get the Journal released earlier in the two-month normal cycle but I've been delayed by late submissions in some cases. I surely appreciate all the work that goes into article development but I could use it a little sooner so I'll be able to get the Journal out sooner. So, fire up those keyboards and get some bytes onto that virtual piece of paper on your screens! As usual the best way to submit them to me (especially with high resolution graphics or pictures) is to "journal at amsat dot org" (you know what that means). I would love to have your submissions by March 10th or so. That's only a couple of weeks away.

Thanks and please let me know if I can help or if you need information from me.

The January/February 2006 issue has been at the printer for 2 to 3 weeks now so you should have it soon. I haven't seen my paper copy yet although I get to see final version in electronic format before anyone. One of the benefits of being the Journal Editor."

[ANS thanks Ed Long, WA4SWJ, Editor, The AMSAT Journal for the above information]

/EX

SB SAT @ AMSAT $ANS-064.03
SuitSat Visual Sighting Reported

AMSAT News Service Bulletin 064.03
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.03

In response to an AMSAT request for reports of any visual observations of SuitSat, Steve Meuse of Londonderry, New Hampshire reported a visual sighting during a February 28th pass. Steve has written the details of the sighting on his astronomy blog. See: http://tinyurl.com/qlanx

[ANS thanks Steve Meuse for the above information]

/EX

SB SAT @ AMSAT $ANS-064.04
SuitSat in the Classroom

AMSAT News Service Bulletin 064.04
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.04

Bruce Robertson, VE9QRP, taught three classes on SuitSat in the science program of his local Middle School in New Brunswick, Canada and filed this report:

"I thought I'd provide a brief report, partly to seed ideas for future educational opportunities, partly as a note of thanks to the team that put SuitSat together and collected its data.

This proved a very engaging topic, one to which the grade 6 and 7 students warmed quite quickly. The idea of 'reusing' out-of-date equipment in this manner, the 'secret words' and multilingual nature of the message, and finally the very haunting image of 'Mr. Smith' tumbling through space all served to capture young imaginations.

My presentation comprised a modified version of Gould's ppt presentation and an audio disk with A.J.'s Greatest Hits. I began talking about ISS and communications from there to earth via ham radio. I played a part of the recording of Maryam 9K2MD talking to U5MIR. Her enthusiasm is quite evident, and it draws the girls into the topic a bit. It also is a good introduction to the idea of callsigns and phonetic alphabets.

After introducing the idea of SS, we watched the video of the launch. We calculated how much weaker the signal turned out to be than expected, and we listened to the audio. I gave them each a worksheet which helped guide them. Recordings with telemetry had headings for 'Temperature', for instance. Then they gathered in lab groups and tried to fill in material. I allowed representatives from the groups to gather around the CD player to eek out another word or two.

We ended the hour with a discussion about what went wrong. Does your car stereo stop working at 13 degrees C? If the batteries on a suit are rated at 28V, how does the voltage seem? Finally, by listening to the fading and comparing the video of the suit tumbling, many got the sense that the fading was due to the suit masking the antenna. All three classes wish to recommend to the designers of future SuitSats that they install a second antenna, some thought at right angles to the first, others thought out the feet of the suit!"

Bruce wrapped up his report by saying "The important thing for us to recognize is that this was an opportunity that was grasped very well. We should be proud not only of the people who put the thing together with very little time, but of those who made a success of it through their technical skills and their considerable cooperation."

[ANS thanks Bruce, VE9QRP for the above information]

/EX

SB SAT @ AMSAT $ANS-064.05
ARISS Status February 27, 2006

AMSAT News Service Bulletin 064.05
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.05

1. Itaki Elementary School Contact Successful

Students from Itaki Elementary School Fathers' Club in Hiroshima, Japan spoke with Bill McArthur, KC5ACR, on Monday, February 20. Thirteen children asked 19 questions of McArthur as an audience of 90 looked on. Media coverage included 2 newspapers and 5 television stations. Audio and video are available on the following web site: http://www.ariss.jp/higashihiroshima.html.en

The audio from this contact was available on the EchoLink AMSAT and JK1ZRW conference room servers. EchoLink had 16 connections from 6 countries: Japan, UK, USA, Thailand, Russia, and Holland.

2. Upcoming School Contact

Evangelisches Gymnasium Lippstadt in Lippstadt, Nordrhein-Westfalen, Germany has been approved for a contact with the ISS. It will take place on Wednesday, March 8 at 14:56 UTC.

3. Girl Guides Listen to Engineering Day Contact

The audio from the Discover Engineering Family Day contact was fed through IRLP to which the Node 2050 Halifax connected. Six Girl Guides, their parents and leaders who were taking part in "Girl Guides on the Air" activities at this club station were treated to this ARISS event.

4. ARRL Article on Pine Ridge, Cosmos Centre Contacts

ARRL ran an article on the Pine Ridge NES and Cosmos Centre Charleville contacts entitled, "No Lollies on Space Station, Commander Tells Youngsters in Space QSO." See: http://www.arrl.org/news/stories/2006/02/23/3/?nc=1

5. ARRL Articles on SuitSat

ARRL posted two web stories covering SuitSat's end. To view, "SuitSat-1 Apparently SK; Nothing Heard for Several Days," see: http://www.arrl.org/news/stories/2006/02/22/100/?nc=1

"ARISS Makes It Official: 'Tremendously Successful' SuitSat-1 is SK" may be found at: http://www.arrl.org/news/stories/2006/02/24/1/?nc=1

6. SuitSat Continues to Receive Media Coverage

The ARISS team supplied photos and data to Popular Science, Japanese CQ, and Design Electronic Magazines, as all of these publications plan to run articles on SuitSat-1. ABC News also interviewed ARISS Chairman Frank Bauer and will include a segment on SuitSat in their news broadcast in the near future.

7. Astronaut Training Status

A second class in Amateur Radio license training was held on Friday, February 24. Astronauts Jim Dutton, Shane Kimbrough, and Tom Marshburn attended. Astronauts Chris Cassidy, Randy Bresnik and Bobby Satcher will be scheduled for their second session at a later date.

8. ARISS Contact Cards

After receiving the new ARISS QSL cards (postcards used to confirm general contacts), ARRL Headquarters' staff has now fulfilled the backlog of 100 cards. They have currently collected 43 cards toward Bill's Worked All States award.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-064.06
Aurora Surprise

AMSAT News Service Bulletin 064.06
From AMSAT HQ SILVER SPRING, MD.
March 5, 2006
To All RADIO AMATEURS
BID: $ANS-064.06

Sunspots have been scarce lately, but that doesn't mean solar activity is nil. A solar wind gust hit Earth's magnetic field on February 19th, sparking auroras of exceptional beauty over far-North America. Visit SpaceWeather.com to view pictures of the storm taken from Earth and Earth-orbit.

[ANS thanks SpaceWeather.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG
AMSAT LM-1957
wa1lbg at amsat dot org

112. Radio Meteor Obs. Bull. February 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-03-06 22:21:28 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <2edp02t09emejv9ac82p8s73mdrlt3358p@4ax.com>
Source record: 1718
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 151 of January 2006 (72 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0602.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

113. WSR-064 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-03-07 14:46:03 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <L0hPf.1141$sL2.857@newsread2.news.atl.earthlink.net>
Source record: 1719

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-064.S1
WSR 064 Part 1 03/05/2006

AMSAT NEWS SERVICE BULLETIN 064.S1 FROM AMSAT HQ
SILVER SPRING, MD, March 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-064.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 5
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Mar 13
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Mar 20
FM Repeater, L/U
Uplink: 1268.700 mhz FM
Downlink 435.300 mhz FM

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03052006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

AO-7's orbit no longer goes into eclipse, so it is operating on a 24
hour
timer that changes the mode schedule at approximately 0900z each day.
The
timer alternates the satellite's operational mode between Mode A and
Mode B.

Please use QRP when operating on AO-7! There are no batteries, and
excessive
power may cause unexpected behavior and possibly damage the satellite.
Mode
B users are likely to experience a Mode change from Mode B to Mode C if
the
buss voltage drops. This will be marked by a decrease in signal
strength
from AO-7 due to the lower power of Mode C.

AO-7 is expected to remain on this schedule until approximately 14 March
2006
at which time it will re-enter a period of eclipse on each orbit.

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544

Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03052006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-064.S2
WSR 064 Part 2 03/05/2006

AMSAT NEWS SERVICE BULLETIN 064.S2 FROM AMSAT HQ
SILVER SPRING, MD, March 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-064.S2

XI-V ?O-??
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[01222006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03052006]
=====
PCSAT2
Catalog Number: 25544

Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html

PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi

This from Bob, WB4APR:

PCSAT2 was off due to low-power shut down for more than a week. We
recover-
ed her on Saturday. She should be doing telemetry once every 30 seconds
now.
[02122006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 5
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

Mar 13
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Mar 20
FM Repeater, L/U
Uplink: 1268.700 mhz FM
Downlink 435.300 mhz FM

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03052006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org

Anyone can work PCSAT-1 with ANY typical 1200 baud packet
station on 145.825. Just set your path to UNPROTO APRS via
ARISS (the same that you use via ARISS on the ISS or via PCSAT2).
Mobiles with the D700 or the TH-D7 HT APRS radios will see packets
directly on their front panel and can work it from their mobile.
[01012006]
=====
CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/

[01012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

Users of OSCAR-11 may be interested in recent additions to my website. Firstly UCAP, this is a simple OSCAR-11 capture program for Windows, and may be used instead of CTERM. It features an accurate time stamp facility,
which is useful for checking the satellite's real time clock.

Secondly, the news and telemetry archives have been updated to include all
the 2005 data. The URL is http://www.users.zetnet.co.uk/clivew

During the period 14 December 2005 to 23 January 2006 the VHF beacon on 145.826 MHz. has been heard from 23 to 31 December and from 11 to 21 January.

Signals during the December passes were very variable. Sometimes received at
good strength, at other times they were inaudible , even with the BFO switch-
ed ON (ie. in CW mode). Signals during the January passes tended to be much
stronger, and good copy was obtained on most passes.

The on-board clock continues to accumulate a very large error. On 21 January it was 22.14 days slow, having lost 0.33 days (8 hours) since 09 December. However, the rate of change of clock error appears to vary between
zero and half an hour per day, over short periods. The greatest changes seem
to correspond with poor signals, which suggests that the clock may slow or
stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite,
instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day
cycle, ie. approximately ten days ON followed by 10 days OFF. However,
at
any time, poor solar attitude, and battery problems, may result in a low
14
volt line supply, which may cause the beacon to switch OFF prematurely,
and
reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which
contains an archive of news & telemetry data. It also contains details
about using a soundcard or hardware demodulators for data capture.
There
is software for capturing data, and decoding ASCII telemetry. The URL
is
www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please
use the bulletin identifier $BID:U2RPT117.CWV, to prevent duplication.
[01292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-064.S3
WSR 064 Part 3 03/05/2006

AMSAT NEWS SERVICE BULLETIN 064.S3 FROM AMSAT HQ
SILVER SPRING, MD, March 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-064.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====

NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM

[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK

Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-064.S4
WSR 064 Part 4 03/05/2006

AMSAT NEWS SERVICE BULLETIN 064.S4 FROM AMSAT HQ
SILVER SPRING, MD,March 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-064.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30

UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

114. sly>j Totally Hot Spot To See sly>j

Newsgroup: rec.radio.amateur.space
Date: 2006-03-11 06:36:04 UTC
From: Kelly <vohvamwu@tngtalut.com>
Message-ID: <2luQf.1371$br4.1143@newsfe14.phx>
Source record: 1720

I discovered a great marketplace for specials,
deals and entertainment at
http://www.cashdeals4u2save.com !

`E$b:

115. ANS-071 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-03-13 21:50:31 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <HOlRf.3675$sL2.994@newsread2.news.atl.earthlink.net>
Source record: 1721

AMSAT NEWS SERVICE
ANS-071

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration will be available approximately 1 April 2006.

****

In this edition:

* AMSAT Announces Director of Education
* AMSAT Plans for Dayton Hamvention
* Emergency Aboard CUTE-1.7, Satellite Recovered
* AO-7 To Enter Eclipse Again
* PCSAT-1 Emerges From Eclipse
* SA AMSAT Asks for Help for Amateur Radio Payload on ZASAT
* Amateur Satellite Antenna Polarization Database
* CUTESATs Receive OSCAR Designations
* ARISS Status for the week of March 6, 2006

SB SAT @ AMSAT $ANS-071.01
AMSAT Announces Director of Education

AMSAT News Service Bulletin 071.01
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.01

AMSAT is very pleased to announce that Dr. H. Paul Shuch, N6TX, has agreed to accept the position of Director of Education. Paul, who received his Ph.D. from the University of California, Berkeley, brings to the AMSAT External Relations Team an extensive background in teaching,

curriculum development, communications, and engineering.

Paul's highest priority as Director of Education will be integrated curriculum development at all levels (K through PhD), with emphasis on using satellites in the classroom, to enhance the teaching of science, math, geography, social studies, technology, and the social sciences. Paul explained, "I will invite all teachers within AMSAT to share with me their current, past, or planned use of satellites in the classroom, their instructional materials, and their desires in terms of future curricular development."

One area in which AMSAT already has a rich history of educational activities is human spaceflight, most recently through the ARISS Program. Paul states, "I would not presume to modify these existing programs in any way. However, ARISS contacts should not be an end unto themselves." ARISS generates a great deal of enthusiasm, leading up to a contact with the Astronauts on the International Space Station. Coordinating closely with Frank Bauer, AMSAT VP Human Spaceflight, Paul will be seeking ways we can encourage ARISS schools and teachers to take the next step, with programs to leverage that enthusiasm into an ongoing interest in math, science and amateur radio.

Another key area of attention for Paul as Director of Education will be Cubesats. Paul notes that "there is a definite educational mission in satellite construction, which goes far beyond the production and launch of a payload." Paul is seeking to find a way to get satellite builders talking to satellite users, in an educational setting. Paul explains, "It is my hope that by finding specific educational applications of existing and planned small satellites. By providing proper training to satellite developers, we will get them fired up about supporting the classroom use of their creations."

Executive Vice President of AMSAT and External Relations Team leader Lee McLamb, KU4OS said, "I am very excited that with Paul we've found such a talented and motivated person to serve as AMSAT Director of Education". Lee continued, "I'm sure that as Paul develops his educational team, AMSAT, students, and the whole educational community will benefit in ways we haven't yet imagined."

/EX

SB SAT @ AMSAT $ANS-071.02
AMSAT Plans for Dayton Hamvention

AMSAT News Service Bulletin 071.02
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.02

Martha at AMSAT HQ announced this week that AMSAT has a limited number of rooms for the Dayton Hamvention which will occur May 19 - 21. We will be staying at the Hampton Inn at Fairborn. All reservations MUST be made

through the AMSAT office. Martha will need a credit card to hold the room.
Also include your arrival and departure dates and a daytime phone number.

You can reach Martha at the AMSAT office via:
Phone - 301-589-6062
Fax - 301-608-3410
email - martha@amsat.org

[ANS thanks Martha for the above information]

/EX

SB SAT @ AMSAT $ANS-071.03
Emergency Aboard CUTE-1.7, Satellite Recovered

AMSAT News Service Bulletin 071.03
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.03

Early in the morning on March 9, 2006 controllers sent a routine reset command to the Cute-1.7 satellite to set the low power consumption mode. At this point controllers could no longer hear the CW beacon on 437.385 MHz. Controllers tried sending the reset command on the following pass with no result.

An emergency condition aboard CUTE-1.7 was declared which was attributed to unknown runaway process in the on board computer. Their plan was to continue to try to reset the computer by commands sent from the control station in Tokyo.

Controllers had to wait until CUTE-1.7 was within range of control stations. Late in the day on March 9 the reset command was successful in recovering the satellite. The 437.385 MHz beacon could be heard once again. Housekeeping and battery telemetry showed nominal operation by March 10.

CUTE-1.7 has officially been designated CubeSat-OSCAR 56, or CO-56 by AMSAT.

The main web page for CUTE-1.7 is at:
http://lss.mes.titech.ac.jp/ssp/cute1.7/index_e.html

The latest version of the CW Telemetry decoder software can be downloaded from:
http://lss.mes.titech.ac.jp/ssp/cute1.7/software_e.html

Operator reports can read on-line at:
http://lss.mes.titech.ac.jp/ssp/cute1.7/blog/

Designation of CubeSat-OSCAR 56 is on-line at:
http://lss.mes.titech.ac.jp/ssp/cute1.7/news/060310-1_e.html

[ANS thanks the Tokyo Institute of Technology for the above information]

/EX

SB SAT @ AMSAT $ANS-071.04
AO-7 To Enter Eclipse Again

AMSAT News Service Bulletin 071.04
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.04

AO-7 has been in sunlight for its entire orbit for several weeks. With its 30 year old batteries long-dead, AO-7 becomes operational when its solar cells generate enough power to revive the oldest working satellite in the AMSAT fleet. Amateur satellite operators have enjoyed somewhat predictable operation on this bird because it was not reset every eclipse.

Emily, N1DID has run tests based on AO-7's keplerian elements to determine how much longer the satellite would remain in full sunlight. She noted, "It seems that AO-7 will go back into eclipse on ascending passes sometime on March 15th 2006. This means that the 24 hour timer will be reset when the eclipse occurs."

Emily concludes, "It's a very exciting satellite to work and the builders who sacrificed so much of their personal time crafting it should take pride that after so many years it goes on and on."

[ANS thanks Emily, N1DID for the above information]

/EX

SB SAT @ AMSAT $ANS-071.05
PCSAT-1 Emerges From Eclipse

AMSAT News Service Bulletin 071.05
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.05

PCSAT-1, built and controlled by the US Naval Academy Satellite Lab, is another satellite that is operational when its solar cells can generate enough power. Bob, WB4APR, USNA satellite ground station control operator noted, "PCSAT-1 has just entered full sun for its entire orbit. It should be operating normally for the next week for sure." Bob also noted that PCSAT-1 could continue amateur radio packet operation for a few weeks longer if not overloaded.

During this period, PCSAT-2 will be shifted to its 145.825 downlink so that both PCSAT-1 and PCSAT-2 are operating on the same frequency. This will give packet users on 145.825 an APRS link capability over 12 passes per day combined along with some rare dual hop opportunities.

PCSAT2 and PCSAT-1 will operate on 145.825 MHz and ARISS packet will continue operating on 145.800 MHz. Set UNPROTO APRS VIA WIDE2-2 if you want to get lucky with a dual hop. All three birds will recognize VIA ARISS. If PCSAT-1 reverts to W3ADO-1 stop using it until we can get her reloaded. If it resets after March 16th we will lose her until next winter.

Locations of users along with a listing of recently digipeated packets via PCSAT-1 can be viewed on-line at http://pcsat.aprs.org. To view PCSAT-2 users see http://www.findu.com/cgi-bin/pcsat2.cgi.

Included below is a quick summary of the operating policy for satellites in the US Naval Academy fleet:

1) Un-attended beacons are NOT authorized.
2) Operations when PCSAT-1 is in the dark are NOT authorized.
3) Human contacts only. One packet per minute is typical.
4) This will start after 1830z on 9 March.
5) Report seeing any 2 hop telemetry from one spacecraft to the other.

[ANS thanks Bob, WB4APR and the US Naval Academy Satellite Lab for the above information]

/EX

SB SAT @ AMSAT $ANS-071.06
SA AMSAT Asks for Help for Amateur Radio Payload on ZASAT

AMSAT News Service Bulletin 071.06
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.06

South Africa AMSAT is building the amateur payload to be incorporated into ZASAT, South Africa's new satellite. This will include an FM mode J Transponder and a digitalker. The uplink will be on 2 meters with the downlink on 70 cm. The Digitalker will announce the satellite ID and offer opportunities to upload 30 seconds of audio and repeating it back to earth. The digitalker operating on 2 meters will be an ideal promotion tool for taking amateur radio into schools.

Hans, ZS6AKV asked for assistance to locate needed components to com-plete the project in time for a December 2006 launch. What is needed includes a source to purchase two CMX808A-P4 ICs in dual-inline packages for the prototype and two CMX808A-E3 in SMD packages for the flight model.

Contact SA AMSAT at saamsat@intekom.co.za if you can help.

[ANS thanks Hans, ZS6AKV and South Africa AMSAT for the above information]

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SB SAT @ AMSAT $ANS-071.07
Amateur Satellite Antenna Polarization Database

AMSAT News Service Bulletin 071.07
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.07

Alan, WA4SCA is building a database of the antenna polarization (ie.: linear, LHCP, or RHCP). Once completed this data will be available to be included with other satellite data such as uplink and downlink frequencies, operating modes, scheduled times, etc. This data will be available to be included on the AMSAT web page or in the Weekly Satellite Report.

Alan's prototype format is shown below for the satellites already accounted for:

AO-51
T: Linear
V: Linear
U: TX A (usually digital) LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

ISS
V: Linear
U: Linear

Information is still needed for VO-52, AO-27, SO-50, PCSAT-1, PCSAT-2, FO-29, etc. If you can provide the data please contact Alan via e-mail wa4sca@amsat.org.

[ANS thanks Alan, WA4SCA for the above information]

/EX

SB SAT @ AMSAT $ANS-071.08
CUTESATs Receive OSCAR Designations

AMSAT News Service Bulletin 071.08
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.08

Bill Tynan, W3XO, coordinator of OSCAR numbers issued this statement on behalf of AMSAT this week:

"By the authority vested in me by the AMSAT-NA President, I am pleased to issue your CubeSat amateur satellites the designation CUBESAT-OSCAR-55 or CO-55 for CUTE-1 and CUBESAT-OSCAR-56 or CO-56 for CUTE-1.7.

AMSAT-NA and I wish to congratulate you and the entire Cute-1.7 team, as well as the Tokyo Institute of Technology. Your pioneering work will certainly inspire others to follow you in constructing and launching this very innovative type of spacecraft."

/EX

SB SAT @ AMSAT $ANS-071.09
ARISS Status for the week of March 6, 2006

AMSAT News Service Bulletin 071.09
From AMSAT HQ SILVER SPRING, MD.
March 12, 2006
To All RADIO AMATEURS
BID: $ANS-071.09

1. Ohio School Contact Successful

On Wednesday, March 1, children from Cincinnati Country Day School in Ohio chatted with Bill McArthur, KC5ACR, via the telebridge station VK5ZAI in Australia. Twelve students asked 19 questions. Approximately 180 students, parents and teachers attended the event, and students from Harry Hallyburton Elementary School listened in to prepare for their own contact on March 3.

One daily and three weekly newspapers covered the contact. The audio was webcast, courtesy of Verizon Conferencing, and fed through the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference room servers. Forty-one connections were made to Echolink from 13 countries, including Korea, Slovenia and Thailand. IRLP Discovery Reflector 9010 had 5 connections from the USA, Canada, and Australia, with at least two schools listening in.

The Cincinnati Enquirer ran an article, "Long-distance lesson," on its website. See:
http://news.enquirer.com/apps/pbcs.dll/article?AID=/20060302/NEWS0102/603020352/1077

2. North Carolina School Contact - a Success

A successful contact was experienced by the students at Harry Hallyburton Elementary School in Drexel, North Carolina on March 3. The contact was a telebridge via the station VK5ZAI in Australia; the phone line was donated by Verizon Conferencing. Bill McArthur, KC5ACR, answered 19 questions posed to him by 19 third graders as a crowd of students, teachers, parents and the school superintendent looked on.

At least one local newspaper covered the event. The audio was fed through the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference rooms and fifty-one connections were made. Among the stations from 15 countries listening in were the Czech Republic, Iraq, and Trinidade and Martim Vaz Islands. Seven nodes connected to IRLP from 3 countries. Audio was also available over the internet. The News Herald posted a story, "A Message

from A Moon Walker," on its website. See:
http://www.morganton.com/servlet/Satellite?pagename=MNH/MGArticle/
MNH_BasicArticle&c=MGArticle&cid=1137834516087

Evangelisches Gymnasium Lippstadt in Lippstadt, Nordrhein-Westfalen, Germany completed a contact with the ISS on Wednesday, March 8.

3. Upcoming School Contacts

Bowie High School in Bowie, Maryland has been approved for a contact which will take place on Friday, March 17 at 15:10 UTC, direct via station KB3KAR.

Cleveland Heights High School in Cleveland Heights, Ohio has been scheduled for an ARISS contact on Friday, March 17 at 16:44 UTC.

4. Audio of Discover Engineering Family Day Contact Available

The National Building Museum has posted audio of the ARISS contact from the Discover Engineering Family Day on its website.
See: http://www.nbm.org/Events/transcripts.html
Select "International Space Station Teleconference."

6. Astronaut Training Status

On February 28, astronauts Jim Dutton, Shane Kimbrough, and Tom Marshburn passed their amateur radio exams. Their callsigns will be issued in the near future.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, WB9JEJ

116. WSR-071 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-03-14 15:27:14 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <mhBRf.3967$sL2.3554@newsread2.news.atl.earthlink.net>
Source record: 1722

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-071.S1
WSR 071 Part 1 03/12/2006

AMSAT NEWS SERVICE BULLETIN 071.S1 FROM AMSAT HQ
SILVER SPRING, MD, March 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-071.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[01152006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T:Linear, V:Linear, U:TX A (usually digital) LHCP, TX B (usually analog)
RHCP, L:Linear, S:Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 13
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Mar 20
FM Repeater, L/U
Uplink: 1268.700 mhz FM
Downlink 435.300 mhz FM

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03122006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03052006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-071.S2
WSR 071 Part 2 03/12/2006

AMSAT NEWS SERVICE BULLETIN 071.S2 FROM AMSAT HQ
SILVER SPRING, MD, March 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-071.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03052006]
=====
PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[03122006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T:Linear, V:Linear, U:TX A (usually digital) LHCP, TX B (usually analog)
RHCP, L:Linear, S:Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 13
FM Repeater, V/S
Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

Mar 20
FM Repeater, L/U
Uplink: 1268.700 mhz FM
Downlink 435.300 mhz FM

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03122006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[03122006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[01012006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[03122006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-071.S3
WSR 071 Part 3 03/12/2006

AMSAT NEWS SERVICE BULLETIN 071.S3 FROM AMSAT HQ
SILVER SPRING, MD, March 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-071.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2

Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM

[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK

Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-071.S4
WSR 071 Part 4 03/12/2006

AMSAT NEWS SERVICE BULLETIN 071.S4 FROM AMSAT HQ
SILVER SPRING, MD,March 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-071.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30

UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

117. APRSPoint new version sale

Newsgroup: rec.radio.amateur.space
Date: 2006-03-18 06:16:35 UTC
From: "hxc98@yahoo.com" <hxc98@yahoo.com>
Message-ID: <1142662595.379864.298930@z34g2000cwc.googlegroups.com>
Source record: 1723

A new version of APRSPoint is released, new features include,

1. Implemented APRS server filter setting,
2. Enabled auto connect for TCP connection,
3. Customization of track line width and style,

and numerous other fixes and enhancements. Please visit
http://www.aprspoint.com for details on this new release and sale.
Thanks.

118. FS : ICOM IC-1275 RARE, IC-475, IC-375 Radio's ...

Newsgroup: rec.radio.amateur.space
Date: 2006-03-23 06:45:44 UTC
From: alandeletethisdevlin@bigREMOVEpond.com
Message-ID: <4422412d.31126136@news-server>
Source record: 1724
Cross-posted to: rec.radio.amateur.equipment,rec.radio.swap,aus.electronics,rec.radio.amateur.space

Gidday All,
I have just updated my Website with some lovely and
hard to find ICOM Radio's forsale.

There's a VERY RARE IC-1275... 23 cm Radio... plus an IC-475, IC-375
and an IC-271/471 & 1271 Package available too.

Serious Buyers only please...

Cheers and thank you,

Alan - VK3XPD

Alan Devlin.

RF RESALE... where Honesty & Integrity are paramount !
Melbourne, Australia.

WEB PAGE URL http://www.users.bigpond.com/alandevlin/index.html

119. ANS-078 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-03-24 00:16:45 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <NTGUf.9634$sL2.7570@newsread2.news.atl.earthlink.net>
Source record: 1725

AMSAT NEWS SERVICE
ANS-078

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* PCSAT2 Operations Plan
* AMSAT-UK Colloquium First Call for Papers
* 3rd Annual CubeSat Workshop
* Satellites and Spaghetti
* ARISS Status - 13 March 2006

SB SAT @ AMSAT $ANS-078.01
PCSAT2 Operations Plan

AMSAT News Service Bulletin 078.01
From AMSAT HQ SILVER SPRING, MD.
March 19, 2006
To All RADIO AMATEURS
BID: $ANS-078.01

PCSAT-1 and PCSAT2 are still flying in constellation on the same simplex digipeater frequency of 145.825. Several dual hop packets have been seen. To attempt a dual hop use VIA WIDE2-2 or VIA ARISS,ARISS. This arrangement will be maintained this as long as PC1 stays alive.

The next several days will have several PCSAT2 configuration changes as follows:

17 March Two ARISS school contacts in USA.
At 1823z PC2 shifted back from UHF to 2m.

19 March 2047z PC2 OFF for Soyuz re-docking.

20 March 0645 - 0715 Soyuz undock/re-dock.
1101z PC2 re-enabled and switched to 2m.

21 March 0817z PC2 switches from 2m to UHF.
1354z ARISS School contact in UK.
1817z ARISS school contact in USA.

1827z PC2 switches back from UHF to 2m

[ANS thanks Bob, WB4APR, for the above information]

/EX

SB SAT @ AMSAT $ANS-078.02
AMSAT-UK Colloquium First Call for Papers

AMSAT News Service Bulletin 078.02
From AMSAT HQ SILVER SPRING, MD.
March 19, 2006
To All RADIO AMATEURS
BID: $ANS-078.02

This is the first call for speakers for the 21st Amsat-UK Colloquium which will be held at Surrey University, Guildford, Surrey, U.K., from Friday, 28 July to Sunday, 30 July 2006.

AMSAT-UK invites speakers, about amateur radio space and associated activities, for this event. They are also invited to submit papers for the "Proceedings" document which will be published at the same time but printed papers are not mandatory. We normally prefer authors to present talks themselves rather than having someone else give them in the authors' absence. We also welcome "unpresented" papers for the Proceedings document.

Offers of talks should be submitted as soon as possible; the final date for full documents to be received is mid-June 2004 in order that the "Proceedings" document be available to participants.

Submissions should be sent *ONLY* to David Johnson, G4DPZ, via the following routes:

Internet e-mail: g4dpz@amsat.org
SnailMail: QTHR from http://www.qrz.com

AMSAT-UK also invites anyone with requests for Program Topics to submit them as soon as possible to G4DPZ. Invitations for any papers on specific subjects will be included in the future call. Likewise if anyone knows of a good speaker, please send contact and other information to G4DPZ.

Additionally, AMSAT-UK will be running sessions specifically for beginners to amateur satellite operating on the Friday; volunteers are wanted to speak at these sessions.

73 Jim, G3WGM
Hon Sec AMSAT- UK

[ANS thanks Jim, G3WGM for the above information]

/EX

SB SAT @ AMSAT $ANS-078.03
3rd Annual CubeSat Workshop

AMSAT News Service Bulletin 078.03
From AMSAT HQ SILVER SPRING, MD.
March 19, 2006
To All RADIO AMATEURS
BID: $ANS-078.03

The 3rd Annual CubeSat Workshop in April is approaching fast and registration is now open! For event information, visit the CubeSat Workshop Webpage. Be sure to complete the registration form online if you plan on attending. For other information, visit the CubeSat Website, www.cubesat.org

A schedule of events will be posted on the website shortly. The workshop will start at 12 noon on Thursday, 27 April to accommodate anyone flying into San Luis Obispo in the morning.

Special hotel rates for the workshop have been reserved at the Holiday Inn Express and Sands Suites and Motel. There are several other events going on that weekend, and these two hotels have the best rates. Go to the accommodations page on the CubeSat Workshop webpage for more information. Shuttle service will be provided at the Holiday Inn Express to the workshop and the Sands Suites and Motel is adjacent to the Holiday Inn Express.

[ANS thanks Roland for the above information]

/EX

SB SAT @ AMSAT $ANS-078.04
Satellites and Spaghetti

AMSAT News Service Bulletin 078.04
From AMSAT HQ SILVER SPRING, MD.
March 19, 2006
To All RADIO AMATEURS
BID: $ANS-078.04

The Indian River Amateur Radio Club will hold their annual "Satellites and Spaghetti" event on 01 April 2006. This year the event will be held at Kelly Park East on Merritt Island, Florida. "We begin setting up about 1300Z and hope to be on the air by 1400Z", says Lee, KU4OS. Lee continued, "This year there will be fourteen passes allowing us a chance to make contacts on six different satellites". The Satellites and Spaghetti event will be use the Club callsign, W4NLX and anyone interested in amateur satellites is welcome.

[ANS thanks Lee, KU4OS for the above information]

/EX

SB SAT @ AMSAT $ANS-078.05
ARISS Status - 13 March 2006

AMSAT News Service Bulletin 078.05
From AMSAT HQ SILVER SPRING, MD.
March 19, 2006
To All RADIO AMATEURS
BID: $ANS-078.05

1. German School Contact Successful

On Wednesday, March 8, Bill McArthur, KC5ACR, spoke with students from the school, Evangelisches Gymnasium Lippstadt in Lippstadt, Nordrhein-Westfalen, Germany. ARISS lesson plans were incorporated into the school's curriculum and all students participating in the contact took and passed their amateur radio exams. Twenty-one students asked one question each of the astronaut as 400 students, teachers and parents gathered in the school's assembly hall to witness the event. Media coverage included the TV channel Westdeutscher Rundfunk WDR, the newspaper "Der Patriot," and the two radio channels Hellweg-Radio and WDR 1 Live. Der Patriot's article, "Erfolgreich ins All gefunk," may be found on this website:
http://www.derpatriot.de/index.php?content=lokal_artikel&ID=Pr-214936&RESSORT=LP&PHPSESSID=596fedd8b7b18d324b31ac3183747ec0

2. Upcoming School Contacts

Circolo Didattico Statale (G.Settanni), Rutigliano, Italy, has been approved for a contact on Tuesday, March 21 at 13:55 UTC.

Sir James Lougheed Elementary School in Calgary, Alberta, Canada, has been approved for a contact with the ISS. It is scheduled for Tuesday, March 21 at 18:19 UTC.

3. ARRL Article Covers Country Day and Hallyburton Contacts

ARRL ran a web story on the Cincinnati Country Day and Harry Hallyburton Elementary School contacts. The article, "Ohio, North Carolina Youngsters Help ISS Commander Boost His QSO Record," may be found at:
http://www.arrl.org/news/stories/2006/03/10/1/?nc=1

4. McArthur Still on the Air

As Increment 12 winds down, McArthur continues to contact stations on the ground. His list of DXCC entities worked continues to grow and currently totals 128 countries. On March 9, ARRL ran a web story on McArthur's general contacts with stations in Hawaii. "NA1SS QSOs bring smiles in Hawaii" may be found on the website: http://www.arrl.org/

5. Harry Hallyburton Elementary School Contact

Burke County Public Schools posted a short summary of the Harry Hallyburton Elementary School - ARISS contact on its website. "Hallyburton Students talk to the International Space Station!" may be viewed at this location: www.burke.k12.nc.us

6. Astronaut Commends ARISS Member

Bill McArthur relayed a compliment to ARISS member Tony Hutchison for a job well done. Tony operates the Australian telebridge station VK5ZAI for the ARISS program.

7. Astronaut Training Status

On 28 February 2006, astronauts Jim Dutton, Shane Kimbrough, and Tom Marshburn took and passed their amateur radio exams. They have been issued the following callsigns:

Thomas H. Marshburn, KE5HOC
Robert S. Kimbrough, KE5HOD
James P. Dutton Jr., KE5HOE

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS
ku4os at amsat dot org

120. WSR-078 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-03-24 00:16:50 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <STGUf.9635$sL2.7183@newsread2.news.atl.earthlink.net>
Source record: 1726

```
This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-078.S1
WSR 078 Part 1 03/19/2006

AMSAT NEWS SERVICE BULLETIN 078.S1 FROM AMSAT HQ
SILVER SPRING, MD, March 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-078.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[03192006]
```

=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

This from Mike Kingery, KE4AZN:
AO-51 has reset to the boot loader and I will have to reload the
software. I
started that tonight. It will be at least Tuesday night before I can
finish
the job. I'm sorry to those looking to use the L band uplink. We will
re-
schedule that in April. When I'm done with the reload I will put AO-51
into
the mode scheduled for 23 March.

I ran and WOD data file for to many days, which created a large file
data
file onboard the satellite. That caused the software reset.

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03192006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB

Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about

AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

This from Emily, N1DID:
AO-7 is Operational
As of 15 March 2006 AO-7 entered eclipse on the ascending node of it's orbit
for a short period of time and will turn off during that period, but other-
wise remains operational providing stations observe QRP power levels. It is
difficult to tell if the 24 hour timer will be reset or if there is enough
energy to keep it running during the short periods of eclipse AO-7
experiences for the next few weeks. We should know in a few days by observing
the modes reported on each orbit.

Please keep your power low! For additional information please read the
AO-7 Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[ANS-WSR wishes to thank Emily Clarke, N1DID]
[03192006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03192006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-078.S2
WSR 078 Part 2 03/19/2006

AMSAT NEWS SERVICE BULLETIN 078.S2 FROM AMSAT HQ
SILVER SPRING, MD, March 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-078.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03192006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 and PCSAT2 are still flying in constellation on the same
simplex
digipeater frequency of 145.825. Several dual hop packets have been seen
(use
VIA WIDE2-2 or VIA ARISS,ARISS for dual hops). We will maintain this
as
long as PC1 stays alive.

But the next several days have lots of re-arrangements as follows:

16 March 1935z PC2 shifted from 2m to UHF.
17 March Two ARISS school contacts in USA.
At 1823z PC2 shifted back from UHF to 2m.
19 March 2047z PC2 OFF for Soyuz re-docking.
20 March 0645 - 0715 Soyuz undock/re-dock.
1101z PC2 re-enabled and switched to 2m.
21 March 0817z PC2 switches from 2m to UHF.
1354z ARISS School contact in UK.
1817z ARISS school contact in USA.
1827z PC2 switches back from UHF to 2m

[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[03192006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

This from Mike Kingery, KE4AZN:
AO-51 has reset to the boot loader and I will have to reload the
software. I
started that tonight. It will be at least Tuesday night before I can
finish
the job. I'm sorry to those looking to use the L band uplink. We will
re-
schedule that in April. When I'm done with the reload I will put AO-51
into
the mode scheduled for 23 March.

I ran and WOD data file for to many days, which created a large file
data
file onboard the satellite. That caused the software reset.

Schedule from the AO-51 Command Team:
March 2006 AO-51 (AMSAT Echo) Schedule

Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03192006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 and PCSAT2 are still flying in constellation on the same
simplex
digipeater frequency of 145.825. Several dual hop packets have been seen
(use
VIA WIDE2-2 or VIA ARISS,ARISS for dual hops). We will maintain this
as
long as PC1 stays alive.

But the next several days have lots of re-arrangements as follows:

16 March 1935z PC2 shifted from 2m to UHF.
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1101z PC2 re-enabled and switched to 2m.
21 March 0817z PC2 switches from 2m to UHF.
1354z ARISS School contact in UK.
1817z ARISS school contact in USA.
1827z PC2 switches back from UHF to 2m

[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks information.]
[03192006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800, 1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Mineo, JE9PEL, for this weeks information.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html

This from Paul Williamson,KB5MU:
There has been no loss of command function on AO-16.

The BBS is down because of localized memory failures in the mass memory
used
for message (file) storage, caused presumably by radiation. It would be
poss-
ible to modify the on-board BBS software to work around these memory
failures
and the command team did request that this be done, but it has not been
aggressively followed up due to the apparent lack of interest in 1200
bps
capabilities.

The S-band beacon isn't broken to the best of my knowledge, it's just
turned
off. The power budget doesn't allow the S-band beacon to be run
continuously
without reducing the main downlink to flea power. I can't explain
VK5DG's
observation of telemetry indicating 700mw of output from the S-band
trans-
mitter, but perhaps someone who has paid more attention to the telemetry
could explain it.

There hasn't been much communication within the AO-16 command team in a
long

time, since the satellite is pretty much self-sufficient in its current
mode
and we haven't been working on any projects to change things. At least a
few
of us are still standing by in case anything comes up.

Mike Rupprecht, DK3WN reports the following:
this is AO-16 telemetry from today :

ctrl: 3 {UI} PID: F0 {No L3} Total Frame Bytes: 138
from PACSAT-1 to TLM:
1 > 61 85 1D 44 00 61 01 92 02 18 03 84 04 5C 05 A0 06 4C 07 88
21 > 08 52 09 91 0A A1 0B D0 0C E7 0D D8 0E 10 0F 2D 10 D2 11 81
41 > 12 00 13 BE 14 8A 15 85 16 93 17 90 18 92 19 8C 1A 8C 1B 92
61 > 1C 83 1D 89 1E B5 1F 57 20 8C 21 65 22 70 23 4B 24 26 25 35
81 > 26 01 27 01 28 64 29 00 2A 07 2B 01 2C 00 2D 5B 2E 66 2F 7B
101 > 30 7C 31 7E 32 96 33 00 34 7D 35 7D 36 83 37 76 38 90 39 A9
121 > 3A 01

translated :

---
uptime is 2226/12:31:51. Time is Sun Mar 19 16:22:57 2006
PACSAT
Rx D DISC 0.482 k Rx D S meter 146.000 C Rx C DISC
6.953 k
Rx C S meter 132.000 C Rx B DISC 1.706 k Rx B S meter
160.000 C
Rx A DISC 2.830 k Rx A S meter 136.000 C Rx E/F DISC
2.690 k
Rx E/F S meter 145.000 C +5 Volt Bus 4.911 V +5V Rx Current
0.052 A
+2.5V VREF 2.495 V 8.5V BUS 8.446 V IR Detector
16.000 C
LO Monitor I 0.002 A +10V Bus 10.500 V GASFET Bias I
0.003 A
Ground REF 0.000 V +Z Array V 19.437 V Rx Temp
17.546 D
+X (RX) temp 20.572 D Bat 1 V 1.263 V Bat 2 V
1.267 V
Bat 3 V 1.262 V Bat 4 V 1.280 V Bat 5 V
1.284 V
Bat 6 V 1.254 V Bat 7 V 1.312 V Bat 8 V
1.299 V
Array V 20.345 V +5V Bus 4.749 V +8.5V Bus
8.040 V
+10V Bus 10.175 V BCR Set Point 120.111 C BCR Load Cur
0.528 A
+8.5V Bus Cur 0.032 A +5V Bus Cur 0.214 A -X Array Cur
-0.008 A
+X Array Cur -0.021 A -Y Array Cur 0.251 A +Y Array Cur

-0.018 A
-Z Array Cur -0.007 A +Z Array Cur -0.018 A Ext Power Cur
-0.020 A
BCR Input Cur 0.300 A BCR Output Cur 0.318 A Bat 1 Temp
26.623 D
Bat 2 Temp 26.018 D Baseplt Temp 24.807 D PSK TX RF Out
2.468 W
RC PSK TX Out 0.005 W PSK TX HPA Tem 25.413 D +Y Array Temp
25.413 D
RC PSK HPA Tem 21.782 D RC PSK BP Temp 29.648 D +Z Array Temp
13.916 D
S band TX Out 0.726 W S band HPA Tem 1.000 C

Total Array C= 0.251 Bat Ch Cur=-0.210 Ifb= 0.049 I+10V= 0.479
TXA:1 TXB:0 TX Pwr:B SbT:0 BCR:7C SCR:3 LP:6 HI:D BT:1E WC:25

Example for very rare activity over europe - 2 german and a swiss
station ->
conversation german :-)
It work's !!!

fm PACSAT-1 to LSTAT ctl UI pid F0 [DAMA] - 15.03.06 18:50:26
l P:0x1D00 o:0 l:6654 f:7171, d:1 st:1
fm HB9SKA to DK3WN via PACSAT-1* ctl I00+ pid F0 - 15.03.06 18:50:27
Hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:30
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:31
=4726.07N/00812.00E-********** pse connect me! **********
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:00
/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:24
73 ihr beiden de Mike
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:41
=4726.07N/00812.00E-********** pse connect me! **********
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:04
Hallo Thomas, Hallo Karl
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:49
:HB9SKA :hallo, ist ja richtig was los hier hallo Thomas
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:54
:BLN0QSLs :DK3WN,PACSAT-1,HB9SKA{UISS41}
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:59
Hallo Ihr Beiden - QSL ???
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:53:23
... wie im Contest hi
:DK3WN :hallo, ist ja richtig was los hier hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:20
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:33
endlich mal ein wenig Aktivit&#65533;t

fm PACSAT-1 to TIME-1 ctl UI pid F0 [DAMA] - 15.03.06 18:53:52
HT: uptime is 2226/12:43:51. Time is Sun Mar 19 16:34:57 2006
Hope, this give you stimulus!

[ANS-WSR wishes to thank Paul Williamson,KB5MU and Mike Rupprecht, DK3WN
for
this weeks information]
[03192006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

Mike Rupprecht, DK3WN, reports hearing UO-11 with VERY strong signals
over
Europe this past week.

[ANS-WSR wishes to thank Mike Rupprecht, DK3WN for this weeks
information]
[03192006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-078.S3
WSR 078 Part 3 03/19/2006

AMSAT NEWS SERVICE BULLETIN 078.S3 FROM AMSAT HQ
SILVER SPRING, MD, March 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-078.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035

[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
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SB SAT @ AMSAT W8ISS $ANS-078.S4
WSR 078 Part 4 03/19/2006

AMSAT NEWS SERVICE BULLETIN 078.S4 FROM AMSAT HQ
SILVER SPRING, MD,March 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-078.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN

/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

121. ANS-085 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-03-28 18:41:46 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <KrfWf.11149$sL2.71@newsread2.news.atl.earthlink.net>
Source record: 1727

AMSAT NEWS SERVICE
ANS-085

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* ARRL Band Plan
* AMSAT Net Milestone
* A Note from the ISS
* PCSATs
* New OSCARS

SB SAT @ AMSAT $ANS-085.01
ARRL Band Plan

AMSAT News Service Bulletin 085.01
From AMSAT HQ SILVER SPRING, MD.
March 26, 2006
To All RADIO AMATEURS
BID: $ANS-085.01

Recently, we had the wonderful happening of "Suitsat" that spurred the interest of many young minds. The frequency of 145.990 is in the OSCAR sub band (145.800-146.000) as indicated by the ARRL in their Well publicized band plan. Many interlopers find their way into this clear portion of 2 meters unknowingly using these sub bands causing headaches to those that were straining to hear this event. Even using nearby Freqs cause problems when the super ears are listening for the birds.
Also, 145.800 the ISS downlink, is in this same sub band and is being used in many metro areas for chit-chat and other experiments. We must remind each other that the band plan was put in place to assist us in utilizing the spectrum effectively. Those that just hear nothing and start a QSO should be reminded about how wide their signal is and that they are causing many well intentioned hams trying to make contact with these satellites and happenings unintentional interference. There may not be a satellite signal every minute of the day in these sub bands but when they are there, terrestrial stations are not listening with big enough ears as someone with an OSCAR caliber setup.

Point these sub bands out to all at your next club meeting or get together.

[ANS thanks Dee, NB2F, for this information revue]

SB SAT @ AMSAT $ANS-085.02
AMSAT Net Milestone

AMSAT News Service Bulletin 085.02
From AMSAT HQ SILVER SPRING, MD.
March 26, 2006
To All RADIO AMATEURS
BID: $ANS-085.02

The weekly 2 Meter AMSAT Net in the Boston area has been on the
Air every Thursday 8:30-9:30 on the Waltham Repeater 146.640- since
March 14, 1996.

The latest milestone was March 16, 2006 with its 10th Anniversary.

Next milestone will be net number 500 coming up on May 11, 2006.

The following stations checked in March 16, 2006 for the 10th
Anniversary Net!!!

Thanks to all who have checked in over the years !!!!!!!!!

Net control, Ernie MacLauchlan, K1ELA, sent out certificates to all
stations that checked in on March 16, 2006.

Some net trivia as of March 16, 2006
Total Check-ins 7300+
Average per net 15
Individual People 774+

[ANS thanks Ernie, K1ELA, for the above information]

/EX

SB SAT @ AMSAT $ANS-085.03
A Note from the ISS

AMSAT News Service Bulletin 085.03
From AMSAT HQ SILVER SPRING, MD.
March 26, 2006
To All RADIO AMATEURS
BID: $ANS-085.03

To the Amateur Radio Community,

As Expedition 12 draws to a close onboard the International
Space Station, a note of gratitude is due.

I would like to express my deep gratitude to the world-wide
amateur radio community for your participation in this great
adventure. Clearly, one of the benefits for Amateur Radio
is bridging the distances between us. Through your parti-

cipation, you helped realize the potential for the human exploration of space to do exactly that. Thanks to you, over the past six months, the International Space Station has been more international than ever before. Together, we achieved many significant milestones from space, DXCC, WAC, WAS, and most importantly, 35 school contacts (as of March 21).

Special thanks go to Kenneth Ransom, N5VHO, without whose tireless efforts to coordinate our activities onboard none of this could have been achieved. Kenneth provided invaluable technical advice, as well as raising the bar as each goal was achieved. I would also like to thank the ISS Fan Club for your enthusiastic support of ARISS. And personal thanks to Cor - PD0RKC in The Netherlands, Alain - IZ6BYY in Italy, Keith - ZS6TW in S. Africa, and Patrick - WD9EWK in Arizona for enlisting the participation of the stations we needed to meet the goals for Expedition 12.

It is with no small degree of sadness to realize that soon I will no longer be able to float to the aft part of the station, dial up our frequency pair and call "CQ", knowing that a host of friends are waiting to talk. Good luck to you all. Thank you, again, for your participation in this greatest of all human endeavors. I look forward to listening as you continue your enthusiastic support of the International Space Station and, one day, human colonies on the Moon and Mars.

73 de NA1SS
Bill McArthur, KC5ACR
Commander, Expedition 12
International Space Station

[ANS {& the entire Ham community} thanks Bill, KC5ACR for going above & beyond]

/EX

SB SAT @ AMSAT $ANS-085.04
PCSATs

AMSAT News Service Bulletin 085.04
From AMSAT HQ SILVER SPRING, MD.
March 26, 2006
To All RADIO AMATEURS
BID: $ANS-085.04

ob Bruninga, WB4APR, wrote about the latest status of the satellite fleet belonging to the US Naval Academy Satellite Lab PCSAT-1 and PCSAT-2.

Bob reported, "PCSAT2 remains in 145.825 simplex PACKET mode with its PSK-31 transponder also enabled. To activate the

PSK-31 transponder, simply use your 2 meter packet system on
145.825 to 'connect to PCSAT2'. When the PCSAT2 sees the con-
nection , it will turn on the PSK-31 transponder and keep it
on as long as you maintain the packet connection."

Continuing with PSK-31 operating hints, Bob wrote, "You will
need HIGH power on the 29.401 MHz uplink. The downlink is on
435.275 • Doppler FM. CW is welcome too since we need any
signals at all to see what we can hear. Remember, we have
extreme signal loss on the uplink since 2 weeks after launch,
so while we don't hear anything usually this may be due to
groundstations not running enough power to overcome this loss."

The older Naval Academy satellite, PCSAT-1, which is operational
only in sunlight apparently reset itself this past week when it
seemed to be overloaded with too many stations attempting access.

Bob summarized PCSAT-1's status, "Fortunately the Naval Academy
Satellite Lab was able to restore low-power mode during the same
pass, and so we hope we recovered it in time. But if not, then
PCSAT-1 goes back into hybernation mode until next winter with
occasional usability during mid-day passes with maximum sunlight
illuminating its solar cells.

In summary, Bob said, "Please go lightly on PCSAT-1, and please
don't attempt to access PCSAT-1 when it is in the dark. Do not
leave automatic beacons running via PCSAT-1."

[ANS thanks Bob, WB4APR, and the US Naval Academy Satellite
Lab for the above information]

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SB SAT @ AMSAT $ANS-085.05
New OSCARS

AMSAT News Service Bulletin 085.05
From AMSAT HQ SILVER SPRING, MD.
March 26, 2006
To All RADIO AMATEURS
BID: $ANS-085.05

Subject: [bod] OSCAR Numbers for CubeSats XI-IV and XI-V
Date: Thu, 23 Mar 2006 10:59:52 -0600
To: Ryu Funase, JQ1YCX

By the authority vested in me by the AMSAT-NA President, I am pleased to
issue OSCAR numbers for your CubeSat amateur radio satellites.

Henceforth, XI-IV launched in 2003 will be known as CUBESAT-OSCAR-57, or
CO-57 and XI-V launched with SSETI Express in 2005. will be known
as CUBESAT-OSCAR-58 or CO-58.

AMSAT-NA and I wish to congratulate you and your entire team for the successful construction, testing and launching of
these innovative spacecraft. Your pioneering work certainly inspires others to follow your lead.

73 and Best Wishes,

William A. (Bill) Tynan, W3XO

[ANS thanks Bill,W3XO for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F
nb2f at amsat dot org

122. WSR-085 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-03-28 18:41:49 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <NrfWf.11150$sL2.8403@newsread2.news.atl.earthlink.net>
Source record: 1728

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This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-085.S1
WSR 085 Part 1 03/26/2006

AMSAT NEWS SERVICE BULLETIN 085.S1 FROM AMSAT HQ
SILVER SPRING, MD, March 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-085.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[03192006]
```

=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

This from Mike Kingery, KE4AZN:
AO-51 is back up and running in FM repeater mode and BBS mode.

Schedule from the AO-51 Command Team:
Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03262006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====

AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

This from Emily, N1DID:
AO-7 is Operational
As of 15 March 2006 AO-7 entered eclipse on the ascending node of it's
orbit
for a short period of time and will turn off during that period, but
other-
wise remains operational providing stations observe QRP power levels. It
is
difficult to tell if the 24 hour timer will be reset or if there is
enough
energy to keep it running during the short periods of eclipse AO-7
experiences for the next few weeks. We should know in a few days by

observing
the modes reported on each orbit.

Please keep your power low! For additional information please read the
AO-7 Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[ANS-WSR wishes to thank Emily Clarke, N1DID]
[03192006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-085.S2
WSR 085 Part 2 03/26/2006

AMSAT NEWS SERVICE BULLETIN 085.S2 FROM AMSAT HQ
SILVER SPRING, MD, March 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-085.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03262006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater/PSK-31

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 reset back to W3ADO-1 at 2336z or so on 23 March after a good
16 day
run of fully OPS jointly with PCSAT2 on ISS. During that time numerous
dual

hop packets were reported.

PCSAT2 will remain with a 2m downlink on 145.825 until the next school
con-
tact on the 28th. From now till then, it will also keep its 10m PSK-31
to
435.275 FM transponder enabled for anyone to experiment with using
either CW
or PSK.

Just use one rig to CONNECT to PCSAT2 on 145.825 to turn on the
transponder
and use your 10m CW or PSK rig to TX and your UHF FM receiver to listen.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[03192006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/

This from Mike Kingery, KE4AZN:
AO-51 is back up and running in FM repeater mode and BBS mode.

Schedule from the AO-51 Command Team:
Mar 23
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
[03262006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 reset back to W3ADO-1 at 2336z or so on 23 March after a good
16 day
run of fully OPS jointly with PCSAT2 on ISS. During that time numerous
dual
hop packets were reported.

PCSAT2 will remain with a 2m downlink on 145.825 until the next school
con-
tact on the 28th. From now till then, it will also keep its 10m PSK-31
to
435.275 FM transponder enabled for anyone to experiment with using
either CW
or PSK.

Just use one rig to CONNECT to PCSAT2 on 145.825 to turn on the
transponder
and use your 10m CW or PSK rig to TX and your UHF FM receiver to listen.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[03262006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW

437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Mineo, JE9PEL, for this weeks information.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html

This from Paul Williamson,KB5MU:
There has been no loss of command function on AO-16.

The BBS is down because of localized memory failures in the mass memory used
for message (file) storage, caused presumably by radiation. It would be poss-
ible to modify the on-board BBS software to work around these memory failures
and the command team did request that this be done, but it has not been
aggressively followed up due to the apparent lack of interest in 1200 bps
capabilities.

The S-band beacon isn't broken to the best of my knowledge, it's just turned
off. The power budget doesn't allow the S-band beacon to be run continuously
without reducing the main downlink to flea power. I can't explain VK5DG's
observation of telemetry indicating 700mw of output from the S-band trans-
mitter, but perhaps someone who has paid more attention to the telemetry
could explain it.

There hasn't been much communication within the AO-16 command team in a long
time, since the satellite is pretty much self-sufficient in its current mode
and we haven't been working on any projects to change things. At least a few
of us are still standing by in case anything comes up.

Mike Rupprecht, DK3WN reports the following:
this is AO-16 telemetry from today :

ctrl: 3 {UI} PID: F0 {No L3} Total Frame Bytes: 138
from PACSAT-1 to TLM:
1 > 61 85 1D 44 00 61 01 92 02 18 03 84 04 5C 05 A0 06 4C 07 88
21 > 08 52 09 91 0A A1 0B D0 0C E7 0D D8 0E 10 0F 2D 10 D2 11 81
41 > 12 00 13 BE 14 8A 15 85 16 93 17 90 18 92 19 8C 1A 8C 1B 92
61 > 1C 83 1D 89 1E B5 1F 57 20 8C 21 65 22 70 23 4B 24 26 25 35
81 > 26 01 27 01 28 64 29 00 2A 07 2B 01 2C 00 2D 5B 2E 66 2F 7B
101 > 30 7C 31 7E 32 96 33 00 34 7D 35 7D 36 83 37 76 38 90 39 A9
121 > 3A 01

translated :

---
uptime is 2226/12:31:51. Time is Sun Mar 19 16:22:57 2006
PACSAT

Rx D DISC 0.482 k Rx D S meter 146.000 C Rx C DISC
6.953 k
Rx C S meter 132.000 C Rx B DISC 1.706 k Rx B S meter
160.000 C
Rx A DISC 2.830 k Rx A S meter 136.000 C Rx E/F DISC
2.690 k
Rx E/F S meter 145.000 C +5 Volt Bus 4.911 V +5V Rx Current
0.052 A
+2.5V VREF 2.495 V 8.5V BUS 8.446 V IR Detector
16.000 C
LO Monitor I 0.002 A +10V Bus 10.500 V GASFET Bias I
0.003 A
Ground REF 0.000 V +Z Array V 19.437 V Rx Temp
17.546 D
+X (RX) temp 20.572 D Bat 1 V 1.263 V Bat 2 V
1.267 V
Bat 3 V 1.262 V Bat 4 V 1.280 V Bat 5 V
1.284 V
Bat 6 V 1.254 V Bat 7 V 1.312 V Bat 8 V
1.299 V
Array V 20.345 V +5V Bus 4.749 V +8.5V Bus
8.040 V
+10V Bus 10.175 V BCR Set Point 120.111 C BCR Load Cur
0.528 A
+8.5V Bus Cur 0.032 A +5V Bus Cur 0.214 A -X Array Cur
-0.008 A
+X Array Cur -0.021 A -Y Array Cur 0.251 A +Y Array Cur
-0.018 A
-Z Array Cur -0.007 A +Z Array Cur -0.018 A Ext Power Cur
-0.020 A
BCR Input Cur 0.300 A BCR Output Cur 0.318 A Bat 1 Temp
26.623 D
Bat 2 Temp 26.018 D Baseplt Temp 24.807 D PSK TX RF Out
2.468 W
RC PSK TX Out 0.005 W PSK TX HPA Tem 25.413 D +Y Array Temp
25.413 D
RC PSK HPA Tem 21.782 D RC PSK BP Temp 29.648 D +Z Array Temp
13.916 D
S band TX Out 0.726 W S band HPA Tem 1.000 C

Total Array C= 0.251 Bat Ch Cur=-0.210 Ifb= 0.049 I+10V= 0.479
TXA:1 TXB:0 TX Pwr:B SbT:0 BCR:7C SCR:3 LP:6 HI:D BT:1E WC:25

Example for very rare activity over europe - 2 german and a swiss
station ->
conversation german :-)
It work's !!!

fm PACSAT-1 to LSTAT ctl UI pid F0 [DAMA] - 15.03.06 18:50:26
I P:0x1D00 o:0 l:6654 f:7171, d:1 st:1
fm HB9SKA to DK3WN via PACSAT-1* ctl I00+ pid F0 - 15.03.06 18:50:27

Hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:30
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:31
=4726.07N/00812.00E-********** pse connect me! **********
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:00
/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:24
73 ihr beiden de Mike
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:41
=4726.07N/00812.00E-********** pse connect me! **********
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:04
Hallo Thomas, Hallo Karl
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:49
:HB9SKA :hallo, ist ja richtig was los hier hallo Thomas
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:54
:BLN0QSLs :DK3WN,PACSAT-1,HB9SKA{UISS41}
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:59
Hallo Ihr Beiden - QSL ???
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:53:23
... wie im Contest hi
:DK3WN :hallo, ist ja richtig was los hier hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:20
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:33
endlich mal ein wenig Aktivit&#65533;t
fm PACSAT-1 to TIME-1 ctl UI pid F0 [DAMA] - 15.03.06 18:53:52
HT: uptime is 2226/12:43:51. Time is Sun Mar 19 16:34:57 2006
Hope, this give you stimulus!

[ANS-WSR wishes to thank Paul Williamson,KB5MU and Mike Rupprecht, DK3WN
for
this weeks information]
[03192006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

OSCAR-11 REPORT

27 March 2006

On 01 March OSCAR-11 achieved 22 years in orbit, and inspite of numerous problems, it still continues to transmit good signals.

During the period 14 February to 26 March 2006 the VHF beacon on 145.826 MHz has been heard from 22 February to 04 March, and from 14 to 24 March.

Signals have been very consistent and excellent copy has been obtained on all passes received. If the current mode of operation continues, the beacon should switch ON around 04 April 2006.

The on-board clock continues to show a very large accumulated error. On 24 March it was 22.14308 days slow. However, the clock is now very stable. During the last month it gained 2.5 seconds, which is approximately half the monthly gain, observed when the satellite was fully operational! The observations of clock errors suggest that the clock may slow or stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, ie the sunlight illuminating the ends of the satellite, instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle. During the last two months the ON/OFF times have been very consistent, and many observations show this to be 20.7 days, ie. 10.3 days ON followed by 10.4 days OFF. However, at any time, poor solar attitude, and battery

pro-
blems, may result in a low 14 volt line supply, which may cause the
beacon to
switch OFF prematurely, and reset the watchdog timer cycle.

I am indebted to Bob G4VRC, Gustavo LW2DTZ, Mike DK3WN, John K7RQN and
John
G4PWG for their reception reports. All have reported good signals from
the
VHF beacon. Many thanks for those reports.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which
contains
an archive of news & telemetry data. It also contains details about
using a
soundcard or hardware demodulators for data capture. There is software
for
capturing data, and decoding ASCII telemetry. The URL is:
http://www.users.zetnet.co.uk/clivew/
[ANS-WSR wishes to thank Clive Wallis, G3CWV for this weeks information]
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-085.S3
WSR 085 Part 3 03/26/2006

AMSAT NEWS SERVICE BULLETIN 085.S3 FROM AMSAT HQ
SILVER SPRING, MD, March 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-085.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB

Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK

Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
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SB SAT @ AMSAT W8ISS $ANS-085.S4
WSR 085 Part 4 03/26/2006

AMSAT NEWS SERVICE BULLETIN 085.S4 FROM AMSAT HQ
SILVER SPRING, MD,March 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-085.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30

UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

123. ANS-092 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-04-04 13:09:48 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <weuYf.2876$i41.1842@newsread1.news.atl.earthlink.net>
Source record: 1729

AMSAT NEWS SERVICE
ANS-092

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* AMSAT Part of eBay Giving Works Program
* AMSAT Gains Increased Presence at Dayton 2006
* PCSAT2 Returns to UHF
* OSCAR-11 Report March 27, 2006
* ARISS Status March 27, 2006
* Space Probe VOYAGER 1 Received by AMSAT-DL Group
* AMSAT-Florida Announces Net and Email List
* Amateur Radio Satellite News Archive Announced

SB SAT @ AMSAT $ANS-092.01
AMSAT Part of the eBay Giving Works Program

AMSAT News Service Bulletin 092.01
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.01

Are you selling something on eBay?

Are you a seller on eBay? Would you like to make a donation of all or part of the proceeds from your auction to AMSAT?

AMSAT is now listed with Missionfish.org, part of the eBay Giving Works program. After entering the starting price of your auction item on eBay, there is a "Donate percentage of sale" question. If you make this selection, you will be taken to the Missionfish web site (http://www.missionfish.org) where you will be able to select your charitable organization (AMSAT). After selecting AMSAT, you will register yourself with Missionfish. Upon completion of your auction, if your item sells, your donation ($10 minimum) will be sent to AMSAT. It is quick, easy and benefits AMSAT.

Next time you or your friends place an item on eBay, please consider making a portion of the sale a donation to AMSAT. If you have questions about AMSAT's participation with Missionfish, please contact, Bruce Paige, KK5DO at kk5do@amsat.org.

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-092.02
AMSAT Gains Increased Presence at Dayton 2006

AMSAT News Service Bulletin 092.02
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.02

AMSAT will have an increased presence at Dayton this year. We have additional booth space, where we will demonstrate an SDX (Software Defined Transponder) like the one that will fly on our EAGLE satellite. We will have additional forum time and presentations in a larger room. A great line up of speakers and topics have been chosen. We will also have live satellite demonstrations outside the Area, not far from the AMSAT booth. Additional information will begin to be posted on the AMSAT web site during the next week.

Make your plans to join your fellow amateur satellite enthusiasts May 19-21, 2006 at the Dayton Hamvention.

Gould Smith, WA4SXM
Director Field Operations

[ANS thanks Gould, WA4SXM for the above information]

/EX

SB SAT @ AMSAT $ANS-092.03
PCSAT2 Returns to UHF

AMSAT News Service Bulletin 092.03
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.03

PCSAT2 has now returned to its 435.275 downlink to avoid any potential for QRM to ARISS school contacts. It will remain in this mode for several weeks until we see how the new crew schedule works out.

Modes remaining available:

* Packet up on 145.825 and down on 435.275
* High power PSK-31 and CW up on 29.401 also with downlink on 435.275.

To activate the PSK transponder, just connect to PCSAT2 on the packet uplink.

For more information see:
http://www.ew.usna.edu/~bruninga/pec/pc2ops.html

[ANS thanks Bob, WB4APR for the above information]

/EX

SB SAT @ AMSAT $ANS-092.04
OSCAR-11 Report March 27, 2006

AMSAT News Service Bulletin 092.04
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.04

The following OSCAR-11 report was provided by Clive, G3CWV:

On 01 March OSCAR-11 achieved 22 years in orbit, and in spite of numerous problems, it still continues to transmit good signals.

During the period 14 February to 26 March 2006 the VHF beacon on 145.826 mHz. has been heard from 22 February to 04 March, and from 14 to 24 March.

Signals have been very consistent and excellent copy has been obtained on all passes received. If the current mode of operation continues, the beacon should switch ON around 04 April 2006.

The on-board clock continues to show a very large accumulated error. On 24 March it was 22.14308 days slow. However, the clock is now very stable. During the last month it gained 2.5 seconds, which is approximately half the monthly gain, observed when the satellite was fully operational! The observations of clock errors suggest that the clock may slow or stop when the battery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, i.e. they have failed. The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue transmitting, although continuous sunlight can cause problems due to excessive temperatures. Power supply problems can be caused by poor pointing attitude, i.e. the sunlight illuminating the ends of the satellite, instead of the solar arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle. During the last two months the ON/OFF times have been very consistent, and many observations show this to be 20.7 days, i.e. 10.3 days ON followed by 10.4 days OFF. However, at any time, poor solar attitude, and battery problems, may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle.

I am indebted to Bob, G4VRC, Gustavo, LW2DTZ, Mike, DK3WN, John, K7RQN and John, G4PWG for their reception reports. All have reported good signals from the VHF beacon. Many thanks for those reports.

The Beacon frequencies are -

VHF 145.826 mHz. AFSK FM ASCII Telemetry

UHF 435.025 mHz. OFF

S-band 2401.5 mHz. OFF

Listeners to OSCAR-11 may be interested in visiting my web site which contains an archive of news & telemetry data. It also contains details about using a sound card or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is: www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV for the above information]

/EX

SB SAT @ AMSAT $ANS-092.05
ARISS Status March 27, 2006

AMSAT News Service Bulletin 092.05
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.05

1. Successful Contact with Maryland High School

On Friday, March 17, students from Bowie High School in Bowie, Maryland had the chance to speak with Bill McArthur, KC5ACR, on board the International Space Station. Ten students posed twenty questions to the astronaut including two questions asked and answered in Russian. Fifty students, teachers and parents gathered in the library for the contact as other classes listened in. Kathy Kurtz, Regional Assistant Superintendent and AMSAT President Rick Hambly also attended. Media coverage included a local cable television station, CTV-76, the Washington Post, and several local newspapers. Some of the articles follow:

"Students at Bowie High communicate with space station"
http://www.gazette.net/stories/031706/princou152802_31960.shtml

"Space Station calls home to Bowie - High school students communicate with astronaut via amateur radio"
http://www.gazette.net/stories/032306/bowinew185511_31939.shtml

"A Chat That's Out of This World"
http://www.washingtonpost.com/wp-dyn/content/article/2006/03/22/AR2006032201250.html?referrer=emailarticle

"Bowie High students speak to astronauts by ham radio"
http://www.bowieblade.com/vault/cgi-bin/bowie/view/2006B/03/23-20.HTM

2. Ohio High School Contact Successful

Bill McArthur, KC5ACR, participated in a second contact on March 17 as he spoke with a group of teens at Cleveland Heights High School in Cleveland Heights, Ohio. He answered 22 questions posed to him by 15 students. Echolink was used during the contact and had 30 connections from 10 countries which included Belgium, Germany, Greece, and Hungary. Three nodes connected to IRLP Discovery Reflector 9010 and shoutcast audio streaming was available on the following web site:
http://www.discoveryreflector.ca

3. Successful ARISS Contact with Italian School Children

On March 21, children from three schools participated in the ARISS contact held at 1°Circolo didattico Giuseppe Settanni in Rutigliano, Italy. Two elementary schools, "1°Circolo didattico Giuseppe Settanni" (500 pupils) and "2°Circolo didattico Aldo Moro" (475 pupils) and one middle school, "Alessandro Manzoni" (615 pupils) participated. Bill McArthur, KC5ACR, answered 17 questions that were relayed to him by amateur radio operator Michele Mallardi, IZ7EVR. Audio and video links were made from the radio shack at the "Giuseppe Settanni" school to the assembly halls of the two other schools where students, teachers, military representatives, civilian authorities and Princess Elettra Marconi, daughter of Guglielmo Marconi, watched. Five television stations (RAI3, Telenorba, Telepuglia, Telebari and Teleregione), one radio station (Canale 103), and 4 newspapers (Gazzetta del Mezzogiorno, La Repubblica, Blu and Fax) covered the event.

4. Canadian School Experiences a Contact with the ISS

Students from Sir James Lougheed Elementary School in Calgary, Alberta, Canada experienced a successful ARISS contact on March 21. Twelve children asked 14 questions of astronaut Bill McArthur, KC5ACR, as 400 students and teachers looked on. Dignitaries present included a federal member of Parliament and executives from the school board and other corporations. The video of the event was seen many times on provincial wide distribution and acknowledged by other forms of media.

5. ARRL Covers Lippstadt School Contact

On March 16, ARRL ran a web story on the ARISS contact with Evangelisches Gymnasium entitled, "Space QSO Helps Introduce Amateur Radio to German Students."
See: http://www.arrl.org/news/stories/2006/03/16/1/?nc=1

6. ARRL Article on Contacts with Bowie, Cleveland Heights Schools

ARRL ran an article covering the Bowie High and Cleveland Heights Elementary School contacts. "ISS Commander on a Roll, Completes Another Set of Back-to-Back School QSOs" may be found at:
http://www.arrl.org/news/stories/2006/03/23/1/?nc=1

7. ARRL Article on Contacting ISS

A "how-to" guide for making contacts with the ISS has been posted on the ARRL web site. "Making a Voice Contact with the International Space Station" may be found on:
http://www.arrl.org/news/features/2006/03/15/1/?nc=1

8. McArthur Wows Tonga

An article has been posted online covering McArthur's general contact with an amateur radio operator in Tonga. To view "Space station astronaut communicates with outer island," go to:
http://www.matangitonga.to/article/tonganews/outerislands/nasa_space_station_tonga150306.shtml

9. SuitSat Continues to Receive Media Coverage

ARISS member Lou McFadin was interviewed by Electronic Design Magazine last month and talked about his participation in the SuitSat project. The story, "Latest Amateur-Radio Satellite Is No Empty Suit," has been posted to this web site:
http://www.elecdesign.com/Articles/Index.cfm?ArticleID=12096

10. ARRL Runs McArthur's Thank You Note

ARRL posted a thank you note to earth bound hams from Bill McArthur. "ISS Commander Says 'Thank You!' to the Amateur Radio Community" may be found on the ARRL web site:
http://www.arrl.org/news/stories/2006/03/22/2/?nc=1

11. Student Inspired by Amateur Radio Contact

A student who participated in a SAREX contact with astronaut Ken Cameron in 1994 is now an Air Force Academy graduate. She dreams of becoming an astronaut and attributes much of her interest in flying to her participation in that contact years ago. As a little girl, she was able to ask her question, "How does a fish swim in space?" Today she is a pilot and she continues her flight training in flying fighter jets.

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-092.06
Space Probe VOYAGER 1 Received by AMSAT-DL Group

AMSAT News Service Bulletin 092.06
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.06

On March 31, 2006 an AMSAT-DL/IUZ team received the American space probe VOYAGER 1 with the 20 m antenna in Bochum. The distance was 14.7 billion km. This is a new record for AMSAT-DL and IUZ Bochum. The received signal was clearly identified through means of Doppler shift and position in the sky. The receive frequency was exactly measured and compared with the information

provided by NASA.

This distance equals approximately 98 times the distance between Earth and Sun. VOYAGER 1 is the most distant object ever built by mankind. This again proves the superior performance of the Bochum antenna. Most probably this is the first time VOYAGER 1 has been received by radio amateurs.

VOYAGER 1 was launched on September 5, 1977 by NASA. It transmitted the first close-up pictures of Jupiter and Saturn. In 2004 VOYAGER 1 passed the Termination Shock Region, where the solar wind mixes with interstellar gas. VOYAGER 1 today is still active, measuring the interstellar magnetic field.

The following radio amateurs were involved:

Freddy de Guchteneire, ON6UG
James Miller, G3RUH
Hartmut Paesler, DL1YDD
Achim Vollhardt, DH2VA/HB9DUN

Special thanks to Thilo Elsner, DJ5YM of the IUZ Bochum, Roger Ludwig of Jet Propulsion Laboratory (JPL), Pasadena USA and the Deep Space Network Tracking Station in Madrid, Spain for their cooperation.

For more information please visit

http://voyager.jpl.nasa.gov
http://www.amsat-dl.org/cms under "News"

[ANS thanks Hartmut Paesler, DL1YDD and AMSAT-DL for the above information]

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SB SAT @ AMSAT $ANS-092.07
AMSAT-Florida Announces Net and Email List

AMSAT News Service Bulletin 092.07
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.07

A coordinated effort by AMSAT-Florida is underway to establish a regional AMSAT net in Central Florida. The Central Florida AMSAT Net began operation last Thursday, March 30 at 19:30 ET on the N4HHA 443.100 mHz repeater located in Orlando, and will continue meeting every week on this same day and time. Preparations are being made to link the Orlando repeater to the NI4CE repeater system that provides coverage throughout west central Florida. More information on this network may be found at www.ni4ce.org. When completed the net should be accessible from a large portion of Central Florida, and in many areas on multiple frequencies. Future plans call for the net to be available via Echolink.

Special thanks go out to the owners and operators of the repeater systems on which the net is held, without which this net could not be possible.

Orlando Repeater
N4HHA, Mike Burke

West Central Florida Group
NI4CE System
NA4AR, Paul Toth
KG4YZY, Dave Anderson
WA4ISB, Ed Allen

In addition to the net, AMSAT-Florida would like announce the AMSAT-Florida email list, a general satellite discussion list with a local flavor for Florida AMSAT enthusiasts. Users may subscribe via the majordomo instructions found at http://www.amsat.org/amsat-new/tools/maillist/ with a list name of "amsat-florida".

Any inquiries for the Florida AMSAT Net can contact:
AA4KN at aa4kn@amsat.org
KO4MA at ko4ma@amsat.org
KI4HXT at ki4hxt@amsat.org

[ANS thanks Rob, KI4HXT for the above information]

/EX

SB SAT @ AMSAT $ANS-092.08
Amateur Radio Satellite News Archive Announced

AMSAT News Service Bulletin 092.08
From AMSAT HQ SILVER SPRING, MD.
April 2, 2006
To All RADIO AMATEURS
BID: $ANS-092.08

For many years, Richard, G3RWL prepared monthly bulletins of Amateur Radio Satellite news. The bulletins were usually broadcast on the last Sunday of each month, in the AMSAT-UK 80 meter net. They were also distributed via packet radio and as hard copy. Many of the early bulletins were produced before the internet was available.

Clive, G3CWV, has now obtained a complete set of these bulletins which were broadcast from May 1985 to July 2004

This is a very detailed and useful archive, especially for research and preparation of lectures. The archive comprises 239 text files, one for each month, which are zipped into four packages for convenience. Also included are some reports of the AMSAT-UK Colloquium and reports about individual satellites.

Upon making the archives available, Clive stated "I would like to congratulate Richard for a fine achievement in preparing these bulletins and to thank him for granting permission to distribute the archive."

The archive may be downloaded from Clive's web site. See:
www.users.zetnet.co.uk/clivew/satnews.htm

[ANS thanks Clive, G3CWV for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining donors to
AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG
AMSAT LM-1957
wa1lbg at amsat dot org

124. WSR-092 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-04-04 13:09:51 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <zeuYf.2877$i41.2700@newsread1.news.atl.earthlink.net>
Source record: 1730

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This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT W8ISS ANS-092.S1
WSR 092 Part 1 04/02/2006

AMSAT NEWS SERVICE BULLETIN 085.S1 FROM AMSAT HQ
SILVER SPRING, MD, April 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-092.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[03192006]
```

=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[04022006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has

shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

This from Emily, N1DID:
AO-7 is Operational
As of 15 March 2006 AO-7 entered eclipse on the ascending node of it's
orbit
for a short period of time and will turn off during that period, but
other-
wise remains operational providing stations observe QRP power levels. It
is
difficult to tell if the 24 hour timer will be reset or if there is
enough
energy to keep it running during the short periods of eclipse AO-7
experiences for the next few weeks. We should know in a few days by
observing
the modes reported on each orbit.

Please keep your power low! For additional information please read the
AO-7 Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[ANS-WSR wishes to thank Emily Clarke, N1DID]
[03192006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-092.S2
WSR 092 Part 2 04/02/2006

AMSAT NEWS SERVICE BULLETIN 092.S2 FROM AMSAT HQ
SILVER SPRING, MD, April 02, 2006
TO ALL RADIO AMATEURS

BID: $ANS-092.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR

USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03262006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT2 has now returned to its 435.275 downlink to avoid any potential
for QRM to ARISS school contacts. It will remain in this mode for
several weeks until we see how the new crew schedule works out.

Modes remaining available:

* Packet up on 145.825 and down on 435.275
* High power PSK-31 and CW up on 29.401 also with downlink on
435.275

To activate the PSK transponder, just connect to PCSAT2 on the packet
uplink.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[04022006]
=====
AO-51 ECHO

Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[04022006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 reset back to W3ADO-1 at 2336z or so on 23 March after a good
16 day
run of fully OPS jointly with PCSAT2 on ISS. During that time numerous
dual
hop packets were reported.

PCSAT2 will remain with a 2m downlink on 145.825 until the next school
con-
tact on the 28th. From now till then, it will also keep its 10m PSK-31
to
435.275 FM transponder enabled for anyone to experiment with using
either CW
or PSK.

Just use one rig to CONNECT to PCSAT2 on 145.825 to turn on the
transponder
and use your 10m CW or PSK rig to TX and your UHF FM receiver to listen.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[03262006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Mineo, JE9PEL, for this weeks information.]

[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html

This from Paul Williamson,KB5MU:
There has been no loss of command function on AO-16.

The BBS is down because of localized memory failures in the mass memory
used
for message (file) storage, caused presumably by radiation. It would be
poss-
ible to modify the on-board BBS software to work around these memory
failures
and the command team did request that this be done, but it has not been
aggressively followed up due to the apparent lack of interest in 1200
bps
capabilities.

The S-band beacon isn't broken to the best of my knowledge, it's just
turned
off. The power budget doesn't allow the S-band beacon to be run
continuously
without reducing the main downlink to flea power. I can't explain
VK5DG's
observation of telemetry indicating 700mw of output from the S-band
trans-
mitter, but perhaps someone who has paid more attention to the telemetry
could explain it.

There hasn't been much communication within the AO-16 command team in a
long
time, since the satellite is pretty much self-sufficient in its current
mode

and we haven't been working on any projects to change things. At least a
few
of us are still standing by in case anything comes up.

Mike Rupprecht, DK3WN reports the following:
this is AO-16 telemetry from today :

ctrl: 3 {UI} PID: F0 {No L3} Total Frame Bytes: 138
from PACSAT-1 to TLM:
1 > 61 85 1D 44 00 61 01 92 02 18 03 84 04 5C 05 A0 06 4C 07 88
21 > 08 52 09 91 0A A1 0B D0 0C E7 0D D8 0E 10 0F 2D 10 D2 11 81
41 > 12 00 13 BE 14 8A 15 85 16 93 17 90 18 92 19 8C 1A 8C 1B 92
61 > 1C 83 1D 89 1E B5 1F 57 20 8C 21 65 22 70 23 4B 24 26 25 35
81 > 26 01 27 01 28 64 29 00 2A 07 2B 01 2C 00 2D 5B 2E 66 2F 7B
101 > 30 7C 31 7E 32 96 33 00 34 7D 35 7D 36 83 37 76 38 90 39 A9
121 > 3A 01

translated :

---
uptime is 2226/12:31:51. Time is Sun Mar 19 16:22:57 2006
PACSAT
Rx D DISC 0.482 k Rx D S meter 146.000 C Rx C DISC
6.953 k
Rx C S meter 132.000 C Rx B DISC 1.706 k Rx B S meter
160.000 C
Rx A DISC 2.830 k Rx A S meter 136.000 C Rx E/F DISC
2.690 k
Rx E/F S meter 145.000 C +5 Volt Bus 4.911 V +5V Rx Current
0.052 A
+2.5V VREF 2.495 V 8.5V BUS 8.446 V IR Detector
16.000 C
LO Monitor I 0.002 A +10V Bus 10.500 V GASFET Bias I
0.003 A
Ground REF 0.000 V +Z Array V 19.437 V Rx Temp
17.546 D
+X (RX) temp 20.572 D Bat 1 V 1.263 V Bat 2 V
1.267 V
Bat 3 V 1.262 V Bat 4 V 1.280 V Bat 5 V
1.284 V
Bat 6 V 1.254 V Bat 7 V 1.312 V Bat 8 V
1.299 V
Array V 20.345 V +5V Bus 4.749 V +8.5V Bus
8.040 V
+10V Bus 10.175 V BCR Set Point 120.111 C BCR Load Cur
0.528 A
+8.5V Bus Cur 0.032 A +5V Bus Cur 0.214 A -X Array Cur
-0.008 A
+X Array Cur -0.021 A -Y Array Cur 0.251 A +Y Array Cur
-0.018 A
-Z Array Cur -0.007 A +Z Array Cur -0.018 A Ext Power Cur

-0.020 A
BCR Input Cur 0.300 A BCR Output Cur 0.318 A Bat 1 Temp
26.623 D
Bat 2 Temp 26.018 D Baseplt Temp 24.807 D PSK TX RF Out
2.468 W
RC PSK TX Out 0.005 W PSK TX HPA Tem 25.413 D +Y Array Temp
25.413 D
RC PSK HPA Tem 21.782 D RC PSK BP Temp 29.648 D +Z Array Temp
13.916 D
S band TX Out 0.726 W S band HPA Tem 1.000 C

Total Array C= 0.251 Bat Ch Cur=-0.210 Ifb= 0.049 I+10V= 0.479
TXA:1 TXB:0 TX Pwr:B SbT:0 BCR:7C SCR:3 LP:6 HI:D BT:1E WC:25

Example for very rare activity over europe - 2 german and a swiss
station ->
conversation german :-)
It work's !!!

fm PACSAT-1 to LSTAT ctl UI pid F0 [DAMA] - 15.03.06 18:50:26
I P:0x1D00 o:0 I:6654 f:7171, d:1 st:1
fm HB9SKA to DK3WN via PACSAT-1* ctl I00+ pid F0 - 15.03.06 18:50:27
Hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:30
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:50:31
=4726.07N/00812.00E-********** pse connect me! **********
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:00
/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:24
73 ihr beiden de Mike
fm HB9SKA to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:51:41
=4726.07N/00812.00E-********** pse connect me! **********
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:04
Hallo Thomas, Hallo Karl
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:49
:HB9SKA :hallo, ist ja richtig was los hier hallo Thomas
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:52:54
:BLN0QSLs :DK3WN,PACSAT-1,HB9SKA{UISS41}
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:52:59
Hallo Ihr Beiden - QSL ???
fm DK5EC to ALL via PACSAT-1* ctl UI pid F0 - 15.03.06 18:53:23
... wie im Contest hi
:DK3WN :hallo, ist ja richtig was los hier hallo Mike
fm DK5EC to JO30OR via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:20
=5042.15N/00714.82E-Karl 73 from Koenigswinter
fm DK3WN to CQ via PACSAT-1* ctl UI^ pid F0 - 15.03.06 18:53:33
endlich mal ein wenig Aktivit&#65533;t
fm PACSAT-1 to TIME-1 ctl UI pid F0 [DAMA] - 15.03.06 18:53:52
HT: uptime is 2226/12:43:51. Time is Sun Mar 19 16:34:57 2006

Hope, this give you stimulus!

[ANS-WSR wishes to thank Paul Williamson,KB5MU and Mike Rupprecht, DK3WN
for
this weeks information]
[03192006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

OSCAR-11 REPORT

27 March 2006

On 01 March OSCAR-11 achieved 22 years in orbit, and inspite of numerous
problems, it still continues to transmit good signals.

During the period 14 February to 26 March 2006 the VHF beacon on
145.826 MHz
has been heard from 22 February to 04 March, and from 14 to 24 March.

Signals have been very consistent and excellent copy has been obtained
on all
passes received. If the current mode of operation continues, the beacon
should switch ON around 04 April 2006.

The on-board clock continues to show a very large accumulated error. On
24
March it was 22.14308 days slow. However, the clock is now very stable.
During the last month it gained 2.5 seconds, which is approximately half
the
monthly gain, observed when the satellite was fully operational! The
observa-
tions of clock errors suggest that the clock may slow or stop when the
bat-
tery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have
failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when
eclipses will start again. This should help the satellite to continue
trans-
mitting, although continuous sunlight can cause problems due to
excessive
temperatures. Power supply problems can be caused by poor pointing
attitude,
ie the sunlight illuminating the ends of the satellite, instead of the
solar
arrays.

The watchdog timer now appears to have resumed operation on the 20 day
cycle.
During the last two months the ON/OFF times have been very consistent,
and
many observations show this to be 20.7 days, ie. 10.3 days ON followed
by
10.4 days OFF. However, at any time, poor solar attitude, and battery
pro-
blems, may result in a low 14 volt line supply, which may cause the
beacon to
switch OFF prematurely, and reset the watchdog timer cycle.

I am indebted to Bob G4VRC, Gustavo LW2DTZ, Mike DK3WN, John K7RQN and
John
G4PWG for their reception reports. All have reported good signals from
the
VHF beacon. Many thanks for those reports.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which
contains
an archive of news & telemetry data. It also contains details about
using a
soundcard or hardware demodulators for data capture. There is software
for
capturing data, and decoding ASCII telemetry. The URL is:
http://www.users.zetnet.co.uk/clivew/
[ANS-WSR wishes to thank Clive Wallis, G3CWV for this weeks information]
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-092.S3
WSR 092 Part 3 04/02/2006

AMSAT NEWS SERVICE BULLETIN 092.S3 FROM AMSAT HQ
SILVER SPRING, MD, April 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-092.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]

=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520

Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:

ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
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SB SAT @ AMSAT W8ISS $ANS-092.S4
WSR 092 Part 4 04/02/2006

AMSAT NEWS SERVICE BULLETIN 085.S4 FROM AMSAT HQ
SILVER SPRING, MD, April 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-092.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

125. Free Music Downloads

Newsgroup: rec.radio.amateur.space
Date: 2006-04-05 13:56:53 UTC
From: chesjon@gmail.com
Message-ID: <1144245413.023315.202010@g10g2000cwb.googlegroups.com>
Source record: 1731

Hey check this out: http://www.kohit.net/

126. Radio Meteor Obs. Bull. March 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-04-08 18:32:53 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <id0g325g8jfucfu31ostcked0pfc9s9r03@4ax.com>
Source record: 1732
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 152 of March 2006 (81 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0603.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

127. ANS-099 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-04-12 14:14:11 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <TW7%f.6001$i41.4177@newsread1.news.atl.earthlink.net>
Source record: 1733

AMSAT NEWS SERVICE
ANS-099

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Future announcements including the Call For Papers, Online Registration and Online Hotel Registration are coming soon.

****

In this edition:

* Invitation to Join AMSAT Alternate Activities at Dayton
* Satellite Conference, Colloquium, and Symposium Opportunities
* ISS Crews Continue Record Breaking Amateur Radio Activity
* AO-51 to Enable 38k4 Pacsat Mode
* ARISS Status for the week of April 3, 2006
* Venus Express Arrives This Week

SB SAT @ AMSAT $ANS-099.01
Invitation to Join AMSAT Alternate Activities at Dayton

AMSAT News Service Bulletin 099.01
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS
BID: $ANS-099.01

Gould, WA4SXM, AMSAT Director Field Operations, invites radio amateurs attending the Dayton Hamvention to join us for these great alternate activities planned during the evenings.

On Thursday, May 18, we will have our sixth annual 'Pizza and Suds' gathering at Marion's Pizza. Join fellow satellite enthusiasts for a fun time in a relaxing atmosphere. The party begins at 6:30 PM.

On Friday evening, May 19, we will host the annual AMSAT Banquet at the Amber Rose Restaurant. Great food and an opportunity to chat with fellow AMSAT members and officers. Happy hour begins at 6:00 PM with the meal served at 7:30 PM. Following the meal, Lou McFadin, W5DID will be our speaker, talking about SuitSat-1 and SuitSat-2.

Please make your reservations for both events early by contacting Nancy Makley at KC8GYW@AMSAT.ORG. Directions to these events will be available on the AMSAT web site shortly.

[ANS thanks Gould, WA4SXM for the above information]

/EX

SB SAT @ AMSAT $ANS-099.02
Satellite Conference, Colloquium, and Symposium Opportunities

AMSAT News Service Bulletin 099.02
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS
BID: $ANS-099.02

The 3rd Annual Cubesat Workshop will be held from April 27-29 on the Cal Poly campus in San Luis Obispo, CA. For more info see: http://littonlab.atl.calpoly.edu/pages/workshops/cal-poly-2006.php

Alexander, RW3DZ reports that Moscow State University will conduct the UNVERSAT-2006, a conference devoted to microsatellites used for science and education. The dates of this conference are June 26-30, 2006. For more information refer to: http://cosmos.msu.ru/universat2006/

The AMSAT-UK Colloquium will be held at the University of Surrey from July 28-30, 2006. Information will be posted on the AMSAT-UK website when it becomes available: http://www.uk.amsat.org/

The AMSAT 2006 Space Symposium and Annual meeting will be held October 5-11, 2006 in San Francisco. The Symposium will again be a joint meeting with the ARISS International Delegates and will also include the IARU Satellite Advisory Panel annual meeting, and a meeting of AMSAT International Delegates. See http://www.amsat.org/amsat-new/symposium/ for more information.

[ANS thanks the conference sponsors for the above information]

/EX

SB SAT @ AMSAT $ANS-099.03
ISS Crews Continue Record Breaking Amateur Radio Activity

AMSAT News Service Bulletin 099.03
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS
BID: $ANS-099.03

QSL cards from all 50 of the United States of America have now arrived at the ARRL QSL bureau in Newington, CT and the process to file for a special "WAS from Space" for Bill McArthur can begin.

McArthur will depart the International Space Station on April 8 after serving on board for nearly 190 days. He will take several amateur radio achievements to Earth with him:

+ First to work all states (CONFIRMED)
+ First to work all seven continents on VHF and UHF
+ 37 school contacts, the most ever worked by an individual
+ First to work 100+ DXCC entities from space
+ Only expedition to work Peter I Island
+ Over 1700 general contacts

Ricardo, PY3VHQ reported that on April 3, 2006, Marcos Pontes PY0AEB, the first brazilian ham radio operator in space, made contact with his station and other Brazilian stations on 145.800 MHz. When PY0AEB spoke in the Portuguese language, Brazilian amateur radio operators were very happy for this.

A recording of the QSO can be heard at:
http://portal.ucpel.tche.br/py3vhq/home/satelite/QSOcMarcosPontesPY0AEB.mp3

[ANS thanks Kenneth, N5VHO and Ricardo, PY3VHQ for the above information]

/EX

SB SAT @ AMSAT $ANS-099.04
AO-51 to Enable 38k4 Pacsat Mode

AMSAT News Service Bulletin 099.04
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS
BID: $ANS-099.04

The AO-51 Command Team/Operations Group plans to enable the 38k4 Pacsat Broadcast Protocol BBS mode on the 435.150 MHz digital downlink for the week long period between April 17-24. The BBS uplink is on 145.860 MHz and uses 9k6 Pacsat Broadcast Protocol. For more information refer to:
http://www.amsat.org/amsat-new/echo/ControlTeam.php

[ANS thanks The AO-51 Command Team and Operations Group for the above information]

/EX

SB SAT @ AMSAT $ANS-099.05
ARISS Status for the week of April 3, 2006

AMSAT News Service Bulletin 099.05
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS

BID: $ANS-099.05

1. Cleveland Heights School Contact Update

On March 17, students at Cleveland Heights High School in Ohio spoke with Bill McArthur, KC5ACR, on board the International Space Station via amateur radio. Prior to the contact, NASA engineer Glenn Lindamood gave presentations on living and working in space and satellite tracking to 100 students. A video/audio link was set up to join those in the contact room to the rest of the student body gathered in the auditorium. Teacher Al DeGennaro was interviewed by radio station WTAM 1100 AM. Katherine Martin from the NASA Glenn Media Relations Office was present as was the Cleveland Heights Sun newspaper, the high school local paper and members of the board of education. A write up was posted by the Glenn Amateur Radio Club (whose members provided assistance with contact) to their website. See: http://www.grc.nasa.gov/WWW/Clubs/NA8SA/ariss_chuh.htm

2. Bradley, Illinois High School Contact Successful

Bradley-Bourbonnais Community High School spoke with Bill McArthur, KC5ACR, on Tuesday, March 28. Fifteen students were able to ask 20 questions of the astronaut before the ISS went over the horizon. Approximately 300 students, teachers and parents gathered in the auditorium as the rest of the 2000 students watched the contact via video. Teacher Jim Schreiner, K9BIG, acted as control operator and was assisted by numerous members of the Kankakee Area Radio Society (KARS). The school's club callsign K9BHS was used for the contact. The event was simulcast using video streaming and audio streaming, with the video stream receiving nearly 900 hits. This event was broadcast live on the local Comcast cable channel 4. Radio stations WKAN 1320 AM, WVLI 95.1 FM, WGFA 94.1 FM, and the Kankakee Daily Journal and the Chicago Tribune newspapers were also present to cover the contact. The event was filmed and produced by the BBCHS' Communications class. The video has been posted to their website: http://www.bbchs.k12.il.us/ISS/index.htm

3. Australian School Children Speak to Astronaut

On Friday, March 31, students at Briar Hill Primary School in Briar Hill, Victoria, Australia spoke with Bill McArthur, KC5ACR, via the telebridge station VK5ZAI in Australia. Twenty-two students asked one question each. Approximately 100 students, teachers and parents attended the event as did the Banyule City mayor, and state government representatives. Local papers picked up on the news story prior to the event and the coordinating teacher was interviewed by both local and national radio stations. The audio was streamed over the internet courtesy of Verizon Conferencing, and Echolink and IRLP were both used successfully for the contact. Echolink received 10 connections from 5 countries, and three nodes connected to IRLP from Canada and Australia.

4. Thank You Note for Briar Hill Contact

The ARISS team received a thank you note from one of the parents whose step son was involved in the Briar Hill contact. She said of her son, "He

has wanted to be an astronaut for as long as he's been old enough to know what one is. Any time he wishes on a star or birthday candle he says, 'I wish I could go to space school.' This will have just fueled his interest which we are more than happy about!"

5. Additional School Contacts

Robert McQueen High School in Reno, Nevada completed a contact with the ISS on Tuesday, April 4.

Escola Americana do Rio de Janeiro in Rio de Janeiro, Brazil had a contact with visiting Brazilian astronaut Marcos Pontes, PY0AEB on Wednesday, April 5. Marcos Pontes, PY0AEB, also had a contact with students at Escola Camilo Castelo Branco in Carnaxide, Portugal on Thursday, April 6.

6. ARRL Article on Rutigliano, Calgary Contacts

The ARRL ran a story on the 1° Circolo Didattico Statale and Sir James Lougheed school contacts. To view, "Students in Italy, Canada, US Explore Space via Ham Radio," see:
http://www.arrl.org/news/stories/2006/03/29/2/?nc=1

7. ARRL Articles on Expedition 13 Crew

On March 27, 30 and 31, ARRL ran short articles on the Expedition 13 crew, Jeff Williams, KD5TVQ, and Pavel Vinogradov, RV3BS.
See: http://www.arrl.org/

8. School Children from Holland Experience Amateur Radio

On March 25, the Octopus School in Holland held an Amateur Radio event for school children. Activities included amateur television, foxhunting (radio hide and seek), electronic circuits, DARES emergency radio and Morse code. The International Space Station was another topic covered and as Bill McArthur was on the air during these events, the teacher had the good fortune to demonstrate over several passes how to make contact with the ISS. The school director was then given 8 radios to distribute to 8 schools so that students would be able to listen to other ARISS contacts in the future.

9. Amateur Radio to be Used for Family Contacts

Due to work expected due to the construction of the ISS, the Ku-band antenna may be unusable for 18 - 21 days at a time, causing an interruption in IP phone availability. The timeframe for this work may be as early as January 2007. During this time the crew may use the ISS Ham radio equipment for family contacts.

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-099.06
Venus Express Arrives This Week

AMSAT News Service Bulletin 099.06
From AMSAT HQ SILVER SPRING, MD.
April 9, 2006
To All RADIO AMATEURS
BID: $ANS-099.06

After its five-month journey ESA's Venus Express spacecraft will arrive at Venus on April 11. Venus Express mission controllers at the ESA Space Operations Centre (ESOC) in Darmstadt, Germany, are making intensive preparations for orbit insertion.

This comprises a series of telecommands, engine burns and manoeuvres designed to slow the spacecraft down from a velocity of 29000 km per hour relative to Venus, just before the first burn, to an entry velocity some 15% slower, allowing the spacecraft to be captured into orbit around the planet.

ESA TV will cover this event live from ESOC in Darmstadt. The live transmission will be carried free-to-air. Complete video coverage details are listed at http://television.esa.int.

The event will be covered on the web at http://venus.esa.int and will feature regular updates, including video coverage of the press conference and podcast from the control room at ESA's Space Operations Centre.

[ANS thanks ESA for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

128. WSR-099 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-04-12 14:14:13 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <VW7%f.6002$i41.1021@newsread1.news.atl.earthlink.net>
Source record: 1734

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-099.S1
WSR 099 Part 1 04/09/2006

AMSAT NEWS SERVICE BULLETIN 099.S1 FROM AMSAT HQ
SILVER SPRING, MD, April 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-099.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
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Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[03192006]
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=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
24 Mar
FM Repeater,
* V/U Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP Digital
* Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink Active
12 Apr
FM Repeater, L/U
* Uplink: 1268.700 mhz FM
* Downlink 435.300 mhz FM
17 Apr
38k4 Digital Downlink, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 38k4 PBP Digital
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[WSR-ANS wishes to thanks the AO-51 Control team for this weeks
information]
[04022006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that SO-50
has
shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[01012006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/

AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

This from Emily, N1DID:
AO-7 is Operational
As of 15 March 2006 AO-7 entered eclipse on the ascending node of it's
orbit
for a short period of time and will turn off during that period, but
other-
wise remains operational providing stations observe QRP power levels. It
is
difficult to tell if the 24 hour timer will be reset or if there is
enough
energy to keep it running during the short periods of eclipse AO-7
experiences for the next few weeks. We should know in a few days by
observing
the modes reported on each orbit.

Please keep your power low! For additional information please read the
AO-7 Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[ANS-WSR wishes to thank Emily Clarke, N1DID]
[03192006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-099.S2
WSR 099 Part 2 04/09/2006

AMSAT NEWS SERVICE BULLETIN 099.S2 FROM AMSAT HQ
SILVER SPRING, MD, April 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-099.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
Flight Engineer: Valery Tokarev - (no call)

Expedition 13 crew set to lift off on March 30th at 0230z with:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Brazillian Astronaut: Marcos Pontes, PY0AEB

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[03262006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT2 has now returned to its 435.275 downlink to avoid any potential
for QRM to ARISS school contacts. It will remain in this mode for
several weeks until we see how the new crew schedule works out.

Modes remaining available:

* Packet up on 145.825 and down on 435.275
* High power PSK-31 and CW up on 29.401 also with downlink on
435.275

To activate the PSK transponder, just connect to PCSAT2 on the packet
uplink.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[04022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: FM Repeater, V/U-High power
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP

TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
24 Mar
FM Repeater,
* V/U Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP Digital
* Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink Active
12 Apr
FM Repeater, L/U
* Uplink: 1268.700 mhz FM
* Downlink 435.300 mhz FM
17 Apr
38k4 Digital Downlink, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 38k4 PBP Digital
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official AMSAT webpage: http://www.amsat.org/amsat-new/echo/
[WSR-ANS wishes to thanks the AO-51 Control team for this weeks
information]
[04022006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT-1 reset back to W3ADO-1 at 2336z or so on 23 March after a good

16 day
run of fully OPS jointly with PCSAT2 on ISS. During that time numerous
dual
hop packets were reported.

PCSAT2 will remain with a 2m downlink on 145.825 until the next school
con-
tact on the 28th. From now till then, it will also keep its 10m PSK-31
to
435.275 FM transponder enabled for anyone to experiment with using
either CW
or PSK.

Just use one rig to CONNECT to PCSAT2 on 145.825 to turn on the
transponder
and use your 10m CW or PSK rig to TX and your UHF FM receiver to listen.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[03262006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Mineo, JE9PEL, reports February 02, 2006:
4XTECH-12>STATUS [02/02/06 20:39:52] <UI R>:
UTC: Thu Feb 02 11:39:35 2006 | Gurwin Techsat1B (V9.86)
BBS(9.86) is active ,AsherSpaceResearchInst greets you.
2 Users/8 Broadcasts, Uplink freq:145.890,145.850,145.930, 1269.800,
1269.900

TechRam2V9.86
TechRam2V9.86.

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Mineo, JE9PEL, for this weeks information.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04092006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm

This from Clive, G3CWV:

OSCAR-11 REPORT

27 March 2006

On 01 March OSCAR-11 achieved 22 years in orbit, and inspite of numerous problems, it still continues to transmit good signals.

During the period 14 February to 26 March 2006 the VHF beacon on 145.826 MHz
has been heard from 22 February to 04 March, and from 14 to 24 March.

Signals have been very consistent and excellent copy has been obtained on all
passes received. If the current mode of operation continues, the beacon should switch ON around 04 April 2006.

The on-board clock continues to show a very large accumulated error. On 24
March it was 22.14308 days slow. However, the clock is now very stable. During the last month it gained 2.5 seconds, which is approximately half the
monthly gain, observed when the satellite was fully operational! The observa-
tions of clock errors suggest that the clock may slow or stop when the bat-
tery voltage is low.

All the analogue telemetry channels, 0 to 59 are zero, ie they have failed.
The status channels 60 to 67 are still working.

The satellite is now in continuous sunlight until around 06 May, when eclipses will start again. This should help the satellite to continue trans-
mitting, although continuous sunlight can cause problems due to excessive
temperatures. Power supply problems can be caused by poor pointing attitude,
ie the sunlight illuminating the ends of the satellite, instead of the solar
arrays.

The watchdog timer now appears to have resumed operation on the 20 day cycle.
During the last two months the ON/OFF times have been very consistent, and
many observations show this to be 20.7 days, ie. 10.3 days ON followed by
10.4 days OFF. However, at any time, poor solar attitude, and battery pro-
blems, may result in a low 14 volt line supply, which may cause the beacon to
switch OFF prematurely, and reset the watchdog timer cycle.

I am indebted to Bob G4VRC, Gustavo LW2DTZ, Mike DK3WN, John K7RQN and John
G4PWG for their reception reports. All have reported good signals from

the
VHF beacon. Many thanks for those reports.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website which
contains
an archive of news & telemetry data. It also contains details about
using a
soundcard or hardware demodulators for data capture. There is software
for
capturing data, and decoding ASCII telemetry. The URL is:
http://www.users.zetnet.co.uk/clivew/
[ANS-WSR wishes to thank Clive Wallis, G3CWV for this weeks information]
[03262006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-099.S3
WSR 099 Part 3 04/09/2006

AMSAT NEWS SERVICE BULLETIN 099.S3 FROM AMSAT HQ
SILVER SPRING, MD, April 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-099.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1
webpage:http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

AO-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====

IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA
web site at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
callsign KE6QMD, as per the user service agreement located at the
following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial land and weather imaging payloads offers FM and FSK
Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as
a collaborative effort between the Malaysian government and Surrey
Satellite Technology Ltd.

[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-099.S4
WSR 099 Part 4 04/09/2006

AMSAT NEWS SERVICE BULLETIN 099.S4 FROM AMSAT HQ
SILVER SPRING, MD, April 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-099.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
http://www.amsat-dl.org/p3e/

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

129. APRSPoint special!

Newsgroup: rec.radio.amateur.space
Date: 2006-04-14 17:06:37 UTC
From: "hxc98@yahoo.com" <hxc98@yahoo.com>
Message-ID: <1145034397.714771.280150@v46g2000cwv.googlegroups.com>
Source record: 1735

APRSPoint is the latest APRS implementation that integrates seamlessly with mappoint to allow you to track anyone on a street level detailed map. It handles imput from RF and internet feeds, and works with Kenwood radios with built-in TNC's in an easy to use interface. It is considered to be the most stable and intuitive, and ideal for first time users. We are offerring a special discount right now. Please visit http://www.aprspoint.com for details. Thanks.

130. Re: Receiving VMS (Vessel Monitoring Signals) from Inmarsat-C

Newsgroup: rec.radio.amateur.space
Date: 2006-04-16 22:03:09 UTC
From: Andrew Rich <vk4tec@hotmail.com>
Message-ID: <4442c64c_9@news.peopletelecom.com.au>
Source record: 1736

wat freq ?

"Michael" <ccc73571@vip.cybercity.dk> wrote in message
news:DQjIf.48$Cw4.46@news.get2net.dk...
>
>
> I have been playing around with receiving AIS (Automatic Identification
> System) signals. AIS is used on ships, it is used to send information
> about your position, etc via VHF to the surrounding ships. But know this
> started to get a bit boring. So know I wan to try to se if it is possibly
> to receive the VMS signals from Inmarsat-C. The VMS system is manly used
> on fishing vessels. On the ship there is a box with a gps and satellite
> tranciver. The position information is send each hour, to a land earth
> station, were it is distributed to the different authorities.
>
>
>
> The first thing is to receive the signals. But also to decrypt the data
> can be complicated.
>
> Any help or advices are welcome. Also if you have some good links to
> people ho have been dealing with projects like this, could be useful.
>
>
>
> Cheers Michael
>
>

131. Active sats with DL on 10 m?

Newsgroup: rec.radio.amateur.space
Date: 2006-04-17 11:01:15 UTC
From: Steen <virker@ikke.invalid>
Message-ID: <44437584$0$60779$157c6196@dreader1.cybercity.dk>
Source record: 1737

Which amateur radio satellites are active with downlink in the 10 meter band
(if any)?

/steen

132. Re: Active sats with DL on 10 m?

Newsgroup: rec.radio.amateur.space
Date: 2006-04-17 20:58:53 UTC
From: kb9rqz@markmorgan.net
Message-ID: <q80842taphn4bevgc8o7dtie0h71c7f5sc@4ax.com>
Source record: 1738

On Mon, 17 Apr 2006 13:01:15 +0200, "Steen" <virker@ikke.invalid>
wrote:

>Which amateur radio satellites are active with downlink in the 10 meter band
>(if any)?
>
>/steen
>
not that I am aware of I think that soe sat may have dlin 10m
digitaldl but I remmber if that is in the skky yet

Usenet Zone Free Binaries Usenet Server
More than 140,000 groups
Unlimited download
http://www.usenetzone.com to open account

133. Re: Active sats with DL on 10 m?

Newsgroup: rec.radio.amateur.space
Date: 2006-04-17 22:26:18 UTC
From: Slow Code <em@il.here>
Message-ID: <eCU0g.4071$BS2.2930@newsread1.news.pas.earthlink.net>
Source record: 1739

"Steen" <virker@ikke.invalid> wrote in
news:44437584$0$60779$157c6196@dreader1.cybercity.dk:

> Which amateur radio satellites are active with downlink in the 10 meter
> band (if any)?
>
> /steen

AO-7 comes up in mode A sometimes.

=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Semi-operational in sunlight.
Return to active status: June 21,2002

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A
145.975 to 145.925 MHz CW/USB Mode B
Beacon: 29.502 MHz, 145.972 MHz, 435.1 MHz, 2304.1 MHz

=====

SC

134. Re: Active sats with DL on 10 m?

Newsgroup: rec.radio.amateur.space
Date: 2006-04-17 22:26:19 UTC
From: Radio Buff <em@il.here>
Message-ID: <fCU0g.4072$BS2.1625@newsread1.news.pas.earthlink.net>
Source record: 1740

kb9rqz@markmorgan.net wrote in
news:q80842taphn4bevgc8o7dtie0h71c7f5sc@4ax.com:

> On Mon, 17 Apr 2006 13:01:15 +0200, "Steen" <virker@ikke.invalid>
> wrote:
>
>>Which amateur radio satellites are active with downlink in the 10 meter
>>band (if any)?
>>
>>/steen
>>
> not that I am aware of I think that soe sat may have dlin 10m
> digitaldl but I remmber if that is in the skky yet

That's easy for you to Spell.

135. ANS-106 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-04-18 12:59:56 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <gp51g.5603$Es3.4351@newsread3.news.atl.earthlink.net>
Source record: 1741

AMSAT NEWS SERVICE
ANS-106

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* 2006 AO-51 Field Day Configuration
* Software Defined Transponder Demo at Dayton
* AO-51 Operations Committee
* ARISS Status - 10 April 2006

SB SAT @ AMSAT $ANS-106.01
2006 AO-51 Field Day Configuration

AMSAT News Service Bulletin 106.01
From AMSAT HQ SILVER SPRING, MD.
April 16, 2006
To All RADIO AMATEURS
BID: $ANS-106.01

This year, AO-51 will be setup in dual FM repeater mode, allowing for two usable FM repeaters from the satellite. The FM repeater utilizing the transmitter on 435.300 will be open to all users. The FM repeater utilizing the transmitter on 435.150 (normally reserved for BBS operations) will be reserved during Field Day for QRP stations only, as has been the common practice when this mode runs on AO-51. Please note the information on the mode configurations and QRP requirements.

FM Repeater #1 for all Users:
Downlink: 435.300 mhz FM
Uplink: 145.920 mhz FM

FM Repeater #2 for QRP Users ONLY:
Downlink: 435.150 mhz FM
Uplink: 145.880 mhz FM

AO-51 ECHO LOW POWER STATION (QRP) REQUIREMENTS:
To attempt to keep this simple, a low power station will be defined as a station which can deliver no more than 10 watts to a vertical or

handheld antenna. These are some examples of Low Power Stations:

* Using an HT (barefoot, no amplifier) with 10 watts or less output into any type of vertical whip antenna (rubber duck, etc) or handheld beam antenna (arrow type).

* Using a mobile station with 10 watts or less output into car mounted mobile whip antenna(s).

* Using a base station at 10 watts output into a vertical omni-directional antenna on the side of the house.

Examples that are NOT Low Power Stations:

* Any type of high gain beam antenna, KLM, M2, Cushcraft, etc.

* Any station transmitting over 10 watts into any type of antenna.

[ANS thanks Mike, KE4AZN, for the above information]

/EX

SB SAT @ AMSAT $ANS-106.02
Software Defined Transponder Demo at Dayton

AMSAT News Service Bulletin 106.02
From AMSAT HQ SILVER SPRING, MD.
April 16, 2006
To All RADIO AMATEURS
BID: $ANS-106.02

Inside the AMSAT booth at the Dayton Hamvention this year will be a working Software Defined Transponder (SDX) like the one aboard the Eagle satellite. The transponder will be operating on 2M and 70cm at low power. Jim Sanford, WB4GCS, the Eagle Project Manager and other team members will be at the booth a great deal of the time to answer questions about Eagle. Other Eagle modules will also be on display, as well as a cubesat.

Any AMSAT members interested in helping for a couple of hours at the AMSAT booth during Dayton are encouraged to email wa4sxm@amsat.org

[ANS thanks Gould, WA4SXM, for the above information]

/EX

SB SAT @ AMSAT $ANS-106.03
AO-51 Operations Committee

AMSAT News Service Bulletin 106.03
From AMSAT HQ SILVER SPRING, MD.
April 16, 2006
To All RADIO AMATEURS
BID: $ANS-106.03

Mike Kingery, KE4AZN, reports that, due to a heavy business workload, he has decided to move away from being the chair or an active member of the AO-51 Operations Committee. Drew Glasbrenner, KO4MA, will take over the leadership of the committee. Mike notes that, "with Drew's previous participation in the group, he will do a good job in reforming the AO-51 Operations Committee." Mike continued, "We have discussed ideas on how to improve the committee based on our past experiences and I will continue to support Drew and the committee until they are up and running smoothly".

More information about the AO-51 Operations Committee will be upcoming in future ANS bulletins. Mike concluded, "I hope everyone will support Drew in his efforts to reorganize and revitalize the AO-51 Operations Committee."

[ANS thanks Mike, KE4AZN, for the above information]

/EX

SB SAT @ AMSAT $ANS-106.04
ARISS Status - 10 April 2006

AMSAT News Service Bulletin 106.04
From AMSAT HQ SILVER SPRING, MD.
April 16, 2006
To All RADIO AMATEURS
BID: $ANS-106.04

1. Robert McQueen Contact Successful

On April 4, Bill McArthur, KC5ACR, spoke with students from the Robert McQueen High School in Reno, Nevada for his 37th and final ARISS contact. He answered twenty questions from 20 students as a group of 30 students, teachers, and parents gathered around the radio. Media coverage included one radio and two television stations.

2. Escola Americana do Rio de Janeiro Contact Successful

On April 5, Brazilian astronaut Marcos Pontes, PY0AEB, participated in his first ARISS contact with students from the Escola Americana do Rio de Janeiro in Rio de Janeiro, Brazil. Students were able to have 17 questions answered. Audio is available on the following website: http://www.space-multimedia.nl.eu.org/index.php?option=com_content&task=view&id=191&Itemid=2

3. Escola Camilo Castelo Branco

A second contact was scheduled for Marcos Pontes, PY0AEB, with students at Escola Camilo Castelo Branco in Carnaxide, Portugal. Originally planned for Thursday, April 6, and rescheduled for Friday, April 7, the contact did not take place due to Pontes' heavy work load.

4. Expedition 12 Makes Final Contacts

On Saturday morning, April 8, Bill McArthur continued to make several general contacts - even at the very end of his mission. He spoke with stations in the U.S., Cuba, Venezuela and Puerto Rico. McArthur, Tokarev, and Pontes returned to Earth later that day at 7:48 pm ET. McArthur has been the most active astronaut ham ever on board the ISS and the Amateur Radio community is very grateful for his participation in the ARISS and general contacts.

5. ARRL Article on Bradley, Briar Hill School Contacts

On April 5, ARRL ran a web story on the Bradley-Bourbonnais and Briar Hill school contacts. To view, "Fixing a Flat, Playing the Didgeridoo: Kids Get Answers from Space via Ham Radio," see: http://www.arrl.org/news/stories/2006/04/05/1/?nc=1

6. ARRL Article on Expedition 13

ARRL posted an article on the handover activities of Expedition 12 and 13 crews. To view, "Bread and Salt: Two-Ham Expedition 13 Crew Arrives Safely on ISS," go to: http://www.arrl.org/news/stories/2006/04/03/1/?nc=1

7. ARRL Confirms All 50 States Worked

The ARRL has received QSL cards (postcards confirming contacts) from all 50 states that Bill McArthur worked while on board the ISS. An honorary Worked All States certificate will be awarded to Bill on his return to the U.S.

8. ARISS Chairman Gives Presentation to Packrats

On April 1, the Mt. Airy VHF Society, better known as "The Packrats," one of the oldest Amateur Radio societies in the world, celebrated its 50th anniversary with a dinner that was attended by ARRL President Joel Harrison, the ARRL EVP, the Atlantic division director, and other ARRL dignitaries. A Nobel Laureate (K1JT, VP Packrats) and VP Engineering (immediate past VP Packrats) were also present. ARISS Chairman and AMSAT VP of Human Spaceflight, Frank Bauer, KA3HDO, gave a talk on ARISS and AMSAT. His presentation generated much interest in communicating with the ISS and satellites.

9. Brazilian Hams Thrilled with Pontes' Contacts

Brazilian astronaut Marcos Pontes made a few general contacts while on board the ISS. One contact in particular made headlines. Fabiano Moser, PY5RX, was fortunate to be able to talk with Pontes. His chat with the astronaut made headlines, and he was interviewed by three television stations and at least one radio station, promoting Amateur Radio. The Gazeta do povo article may be found at: http://canais.ondarpc.com.br/noticias/parana/conteudo.phtml?id=551799

To view one of his television interviews, see: http://canais.ondarpc.com.br/tvparanaense/paranatv/noticia.phtml?id=41867&video=1

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

136. WSR-106 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-04-18 12:59:58 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <ip51g.5604$Es3.2517@newsread3.news.atl.earthlink.net>
Source record: 1742

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-107.S1
WSR 107 Part 1 04/17/2006

AMSAT NEWS SERVICE BULLETIN 107.S1 FROM AMSAT HQ
SILVER SPRING, MD, April 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-107.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon, see below:
Indian transponder - unmodulated carrier on 145.936MHz.
Dutch Transponder - CW message on 145.860MHz.
[03192006]
=====
AO-51 ECHO
```

Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: 38k4 Digital Downlink, V/U
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
17 Apr
38k4 Digital Downlink, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 38k4 PBP Digital
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[04172006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational until March 14th

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04172006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[04172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-107.S2
WSR 107 Part 2 04/17/2006

AMSAT NEWS SERVICE BULLETIN 107.S2 FROM AMSAT HQ
SILVER SPRING, MD, April 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-107.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[0417 2006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

This from Robert Bruninga, WB4APR:
PCSAT2 has now returned to its 435.275 downlink to avoid any potential
for
QRM to ARISS school contacts. It will remain in this mode for several
weeks
until we see how the new crew schedule works out.

Modes remaining available:

* Packet up on 145.825 and down on 435.275
* High power PSK-31 and CW up on 29.401 also with downlink on
435.275

To activate the PSK transponder, just connect to PCSAT2 on the packet
uplink.
[ANS-WSR wishes to thank Robert Bruninga, WB4PR for this weeks
information.]
[04022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: 38k4 Digital Downlink, V/U
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast

Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
17 Apr
38k4 Digital Downlink, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 38k4 PBP Digital
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official AMSAT webpage: http://www.amsat.org/amsat-new/echo/
[04172006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[ANS-WSR wishes to thank Mineo, JE9PEL, for this weeks information.]
[02122006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11

Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[04172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-107.S3
WSR 107 Part 3 04/17/2006

AMSAT NEWS SERVICE BULLETIN 107.S3 FROM AMSAT HQ
SILVER SPRING, MD, April 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-107.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]

=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]

=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11

BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]

SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A

Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]

=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-107.S4
WSR 107 Part 4 04/17/2006

AMSAT NEWS SERVICE BULLETIN 107.S4 FROM AMSAT HQ
SILVER SPRING, MD, April 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-107.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600

Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

137. FA: Kiron Sat Trak IV Stand alone Satellite Track Box

Newsgroup: rec.radio.amateur.space
Date: 2006-04-24 15:29:23 UTC
From: Michael Funaro <mikeNOSPAM@L2Speed.net>
Message-ID: <1hrp42pv3k8mmuohb3oplb7ljqb6o1v6ob@4ax.com>
Source record: 1743

Hello, please take a look at my Satellite Trak Box on ebay.
Thanks, Mike

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=9715663865

138. ANS-113 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-04-25 16:16:31 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <zXr3g.12602$i41.6404@newsread1.news.atl.earthlink.net>
Source record: 1744

AMSAT NEWS SERVICE
ANS-113

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* 2006 Dayton Hamvention Just weeks Away
* Phase 3 E
* ISS Expedition 13
* ARISS Status - 17 April 2006

SB SAT @ AMSAT $ANS-113.01
2006 Dayton Hamvention Just Weeks Away

AMSAT News Service Bulletin 113.01
From AMSAT HQ SILVER SPRING, MD.
April 23, 2006
To All RADIO AMATEURS
BID: $ANS-113.01

We are looking for a few good men & women to help at the AMSAT booth during the Dayton Hamvention.

I always find this a rewarding experience, whether talking with longtime AMSAT members or a shy, interested person that is not sure how to start. The booth will be open Friday May 19th from 9am to 6 pm, Saturday May 20th,8am to 5pm and Sunday 8am to 1pm.
We need people to answer questions about satellite operation, take donationsfor publications and trinkets, memberships and renewals, demonstrate software and assist with satellite demos. Please volunteer for a two hour shift eachday while you are attending the Hamvention. If you can only find an hour, that will be welcome also. Send me an email at wa4sxm@amsat.org .

Also take advantage of our Thursday night 'Pizza and Suds' gathering at Mario's Piazza and the Friday night Banquet at the Amber Rose. Contact Nancy Makley for reservations at kc8gyw@amsat.org .

If you will be unable to help at the booth, come by and check out our new offering and see the operating EAGLE SDX (Software Defined Transponder) or just say HI to your fellow AMSAT members.

73,
Gould, WA4SXM
Director Field Operations

[ANS thanks Gould, WA4SXM, for the above information]

/EX

SB SAT @ AMSAT $ANS-113.02
Phase 3 E

AMSAT News Service Bulletin 113.02
From AMSAT HQ SILVER SPRING, MD.
April 23, 2006
To All RADIO AMATEURS
BID: $ANS-113.02

Phase 3 E looks like its headed for a 2007 launch. If all the modules function well and the satellite passses some critical vibration tests the launch could be early next year.(Actual dates not set)
The twin looking satellite of OSCAR 10 or 13 is in its final building stages and tests. It may look like a twin of AO-10 or AO-13 but it has some of the latest technology onboard. Some is even being tested for the future Phase 5A Mars orbiter. That will be an adventure in the near future for everyone to enjoy and another story.
You can find updated information on the website of AMSAT-DL and learn of the upcoming events. As always, AMSAT-NA has links to information sites for all the latest satellite news.

[ANS thanks AMSAT-DL for the above information]

/EX

SB SAT @ AMSAT $ANS-113.03
ISS Expedition 13

AMSAT News Service Bulletin 113.03
From AMSAT HQ SILVER SPRING, MD.
April 23, 2006
To All RADIO AMATEURS
BID: $ANS-113.03

SUBMITTED BY ARTHUR N1ORC - AMSAT A/C 31468

Expedition 13 in Second Week of Mission

Expedition 13 Commander Pavel Vinogradov and Flight Engineer Jeff Williams, now into their second full work week alone aboard the orbital outpost, are continuing with station familiarization, routine maintenance and medical data collection. On Monday, the crew set up and activated EarthKAM for its first photographic data takes of the new

increment.

Wednesday's scheduled reboost of the station using the Zvezda Service Module engine did not occur. Neither engine fired, and the maneuver was aborted. Russian engineers are investigating. Since the reboost was primarily intended as a test of the engines and would have raised the station's altitude by approximately 1/3 of a statute mile, the planned docking of the ISS Progress 21 cargo craft is not affected. The Progress, carrying 2 tons of fuel, oxygen and supplies, will launch next Monday and dock with the station on Wednesday, April 26.

[ANS thanks Arthur, N1ORC, for the above information]

/EX

SB SAT @ AMSAT $ANS-113.04
ARISS Status - 17 April 2006

AMSAT News Service Bulletin 113.04
From AMSAT HQ SILVER SPRING, MD.
April 23, 2006
To All RADIO AMATEURS
BID: $ANS-113.04

ARISS Status
April 17, 2006

1. ARRL Story Covers Expedition 12's Return

The ARRL article, "Expedition 12 Crew Plus One Return Safely to Earth," has been posted on the website. See:
http://www.arrl.org/news/stories/2006/04/10/100/?nc=1

2. ARRL Article on Nevada, Rio Contacts

ARRL ran a story on the Robert McQueen and Escola Americano do Rio de Janeiro school contacts entitled, "McArthur Calls it a Wrap; Brazil's Pontes Completes One QSO." See:
http://www.arrl.org/news/stories/2006/04/11/104/?nc=1

3. Elementary School Starts Radio Club

Boulder Hill Elementary School in Montgomery, Illinois has started an Amateur Radio club thanks to parent and ham volunteers. The students are learning about amateur radio and communication basics. The school is on the waiting list for an ARISS contact.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

139. WSR-114 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-04-25 16:16:33 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <BXr3g.12603$i41.10509@newsread1.news.atl.earthlink.net>
Source record: 1745

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-114.S1
WSR 114 Part 1 04/24/2006

AMSAT NEWS SERVICE BULLETIN 114.S1 FROM AMSAT HQ
SILVER SPRING, MD, April 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-114.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): 9k6 Digital, V/U
FM Repeater, V/U
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[04242006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[04242006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-114.S2
WSR 114 Part 2 04/24/2006

AMSAT NEWS SERVICE BULLETIN 114.S2 FROM AMSAT HQ
SILVER SPRING, MD, April 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-114.S2

CO-56 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet/Occassinal Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[04242006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Modes: 9k6 Digital, V/U
FM Repeater, V/U
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006:
24 Apr
FM Repeater, V/U
* Uplink: 145.920 mhz FM, 67 hz PL Tone
* Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
* Uplink: 145.860 mhz FM, 9k6 PBP
* Digital Downlink: 435.150 mhz FM, 9k6 PBP Digital TLM Downlink
Active

Official AMSAT webpage: http://www.amsat.org/amsat-new/echo/
[04242006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1
Catalog number: 27844
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[03122006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[04242006]
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[04172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-114.S3
WSR 114 Part 3 04/24/2006

AMSAT NEWS SERVICE BULLETIN 114.S3 FROM AMSAT HQ
SILVER SPRING, MD, April 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-114.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28934

Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Official webpage: http://www.suitsat.org
[02262006]
=====
NCUBE-2
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.25
[01012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
POSAT-1 PO-28
Catalog Number: 22829
Launched : September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html

[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz

[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====

FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509

Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]

=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-114.S4
WSR 114 Part 4 04/24/2006

AMSAT NEWS SERVICE BULLETIN 114.S4 FROM AMSAT HQ
SILVER SPRING, MD, April 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-114.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

140. why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-04-27 14:44:50 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <4450d8d5$0$2028$ba620dc5@text.nova.planet.nl>
Source record: 1746

Earlier this year there was a thread about repeaters on the moon.
This morning I was riding on my bike to work, about 19 kilometers so
plenty of time to think about all sorts of things, when it came to my
mind there are laser reflectors on the moon. Hmmm?
Laser for tx, telescope for rx. I figure there are possibilities here
for some sort of digital mode.
Has anyone ever tried this?
WHat about the strenght needed for the laser to receive the reflection
on earth?
Thoughts, comments on the possibility, anyone?

Roland.

141. Re: why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-04-27 19:43:13 UTC
From: Paul Shayler <g6tsf@amsat.org>
Message-ID: <jX0zuuBR7RUEFw+w@g6tsf.demon.co.uk>
Source record: 1747

In message <4450d8d5$0$2028$ba620dc5@text.nova.planet.nl>, Roland
<roland_lemmersZPEMM@planet.nl> writes
>Earlier this year there was a thread about repeaters on the moon.
>This morning I was riding on my bike to work, about 19 kilometers so
>plenty of time to think about all sorts of things, when it came to my
>mind there are laser reflectors on the moon. Hmmm?
>Laser for tx, telescope for rx. I figure there are possibilities here
>for some sort of digital mode.
>Has anyone ever tried this?
>WHat about the strenght needed for the laser to receive the reflection
>on earth?
>Thoughts, comments on the possibility, anyone?
>
>Roland.

Apollo 11 and others in the series left a "Laser Ranging Retro
Reflector" on the moon so that the distance between the earth and moon
could be measured. A high power laser was used AFIAK, with a telescope
to "capture" the returned beam.

Regards, Paul S. G6TSF/M3TSF
--
Paul Shayler M3TSF/G6TSF
Running the Internet accelerator ONSPEED.
Details at http://www.onspeed.com

142. Re: why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-04-27 23:21:29 UTC
From: henry@spsystems.net
Message-ID: <IyEM7t.M78@spsystems.net>
Source record: 1600

In article <4450d8d5$0$2028$ba620dc5@text.nova.planet.nl>,
Roland <roland_lemmersZPEMM@planet.nl> wrote:
>Earlier this year there was a thread about repeaters on the moon.
>...there are laser reflectors on the moon. Hmmm?
>Laser for tx, telescope for rx. I figure there are possibilities here
>for some sort of digital mode.
>Has anyone ever tried this?

Unfortunately, with a fairly sizable pulsed laser firing through a large
telescope (to get a very tight beam), and the same large telescope used to
collect as much of the returned signal as possible, the return from one of
the Apollo reflectors averages less than one photon per pulse.

An ambitious laser/telescope/electronics amateur team probably *could*
duplicate the professional gear well enough to get a detectable return,
but the effective bandwidth is unlikely to be high enough for useful
communication.
--
spsystems.net is temporarily off the air; | Henry Spencer
mail to henry at zoo.utoronto.ca instead. | henry@spsystems.net

143. Re: why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-04-28 04:02:48 UTC
From: Dan Mckenna <dmckenna@as.arizona.edu>
Message-ID: <Etg4g.14912$Qz.7506@fed1read11>
Source record: 1748

Roland wrote:
> Earlier this year there was a thread about repeaters on the moon.
> This morning I was riding on my bike to work, about 19 kilometers so
> plenty of time to think about all sorts of things, when it came to my
> mind there are laser reflectors on the moon. Hmmm?
> Laser for tx, telescope for rx. I figure there are possibilities here
> for some sort of digital mode.
> Has anyone ever tried this?
> WHat about the strenght needed for the laser to receive the reflection
> on earth?
> Thoughts, comments on the possibility, anyone?
>
> Roland.

Check out > www.csr.utexas.edu/mlrs/

144. Re: why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-04-28 08:18:09 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <4451cfb3$0$2016$ba620dc5@text.nova.planet.nl>
Source record: 1749

Dan Mckenna wrote:
> Roland wrote:
>
>> Earlier this year there was a thread about repeaters on the moon.
>> This morning I was riding on my bike to work, about 19 kilometers so
>> plenty of time to think about all sorts of things, when it came to my
>> mind there are laser reflectors on the moon. Hmmm?
>> Laser for tx, telescope for rx. I figure there are possibilities here
>> for some sort of digital mode.
>> Has anyone ever tried this?
>> WHat about the strenght needed for the laser to receive the reflection
>> on earth?
>> Thoughts, comments on the possibility, anyone?
>>
>> Roland.
>
>
> Check out > www.csr.utexas.edu/mlrs/
>

Ah, so basically anyone can do this :)

This link has some general info and a picture of one of the reflectors
on the moon.

http://sunearth.gsfc.nasa.gov/eclipse/SEhelp/ApolloLaser.html

It seems that the best way to do the EME distance via a repeater or
transponder is a satellite in L4 or L5.

It was a nice thought but this one about using a laserreflector belongs
to the 98% garbage. another 97 to go before the good stuff comes. :)
It always seems that the good things come out last.

Roland.

145. Re: why not on the moon revisited

Newsgroup: rec.radio.amateur.space
Date: 2006-05-03 19:43:01 UTC
From: N1KI <n1ki@arrl.net>
Message-ID: <qq1i52tphkvgohdv5mn7s8lmk6flo2uapb@4ax.com>
Source record: 1601

How would this be different from the digital mode (JT65) EME many
people are doing with a few hundred watts and a good yagi system?

On Thu, 27 Apr 2006 16:44:50 +0200, Roland
<roland_lemmersZPEMM@planet.nl> wrote:

>Earlier this year there was a thread about repeaters on the moon.
>This morning I was riding on my bike to work, about 19 kilometers so
>plenty of time to think about all sorts of things, when it came to my
>mind there are laser reflectors on the moon. Hmmm?
>Laser for tx, telescope for rx. I figure there are possibilities here
>for some sort of digital mode.
>Has anyone ever tried this?
>WHat about the strenght needed for the laser to receive the reflection
>on earth?
>Thoughts, comments on the possibility, anyone?
>
>Roland.

146. ANS-120 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-05-04 20:34:10 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <6zt6g.3696$Vn.946@newsread4.news.pas.earthlink.net>
Source record: 1602

AMSAT NEWS SERVICE
ANS-120

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* Dayton 2006 Update from AMSAT Director Field Operations
* AO-51 Ops Committee Call for Volunteers
* AMSAT Receives HP Technology for Community Grant Initiative
* ARISS Status 24 April 2006
* Astronaut Bill McArthur Thank You Guestbook
* Best Satellite DX for Home Microwave Station
* Sunspot 875 A Crackling Sunspot

SB SAT @ AMSAT $ANS-120.01
Dayton 2006 Update from AMSAT Director Field Operations

AMSAT News Service Bulletin 120.01
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.01

The main AMSAT Forum at the 2006 Dayton Hamvention will be held Saturday morning, May 20th, from 8:15 AM to 10:45 AM in Forum Room 1. This year, we will have a larger meeting room and more time. We have a great program scheduled, so come by, help us fill the room, and spend Saturday morning with us to find out the most up to date information on P3E, EAGLE, AO-51, ARISS and AMSAT.

The speakers will be:

1. Moderator: Barry Baines, WD4ASW, VP-Marketing & User Services, AMSAT-NA.
2. Rick Hambly, W2GPS, President, AMSAT-NA "Phase 3-E Satellite Design and Development Status."
3. Jim Sanford, WB4GCS, EAGLE Project Manager "Eagle Project Overview and Status Report."
4. EAGLE Project Development Team "Technology Update: Software Defined

Transponder, Internal Housekeeping Unit, Energy Storage Experiments, and Structure Analysis."
5. Gould Smith, WA4SXM, Director Field Operations, AMSAT-NA "Introduction to AO-51 Operation with a Command Station Update."
6. Frank Bauer, KA3HDO, VP-Human Space Flight, AMSAT-NA "ARISS & SuitSat: Current Status & Future Opportunities."

Special emphasis will be placed on the status of AMSAT-NA EAGLE satellite project and the AMSAT-DL P3E.

The AMSAT Educator's Forum will be held Saturday from 11:30 to 12:15 AM in Forum Room 5.

1. Dr. H. Paul Shuch, N6TX, Director of Education, AMSAT-NA "Shared Experiences of Using Satellites in the Classroom."

Please make your reservations early for the Friday night AMSAT Banquet at the Amber Rose. Great food, great companionship.

Contact Nancy Makley, kc8gyw@amsat.org to make your reservations.

In addition to passing on the above information, Gould Smith, AMSAT Director Field Operations, issued a call for volunteers at Dayton 2006:

"We are looking for a few good men or women to help at the AMSAT booth during the Dayton Hamvention. I always find this a rewarding experience, whether talking with longtime AMSAT members or a shy, interested person that is not sure how to start.

The booth will be open Friday May 19th from 9 AM to 6 PM, Saturday May 20th, 8 AM to 5 PM and Sunday 8 AM to 1 PM.

We need people to answer questions about satellite operation, take donations for publications and trinkets, memberships and renewals, demonstrate software and assist with satellite demos. Please volunteer for a two hour shift each day while you are attending the Hamvention. If you can only find an hour, that will also be welcomed.

Send me an email at: wa4sxm@amsat.org

Also take advantage of our Thursday night 'Pizza and Suds' gathering at Mario's Piazza and the Friday night Banquet at the Amber Rose. Contact Nancy Makley at kc8gyw@amsat.org for reservations.

If you will be unable to help at the booth, come by and check out our new offering and see the operating EAGLE SDX (Software Defined Transponder) or just say HI to your fellow AMSAT members."

Gould, WA4SXM
AMSAT Director Field Operations

[ANS thanks Gould, WA4SXM, AMSAT Director Field Operations for the above information]

/EX

SB SAT @ AMSAT $ANS-120.02
AO-51 Ops Committee Call for Volunteers

AMSAT News Service Bulletin 120.02
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.02

Drew Glasbrenner, KO4MA, issued the following request for volunteers for the AO-51 Ops Committee:

"As you may have seen in the last ANS, I have been asked by Mike Kingery KE4AZN, AMSAT VP Ops, to take the reins of the AO-51 Ops committee. As part of the changeover, it is my intent to include a wider range of volunteers to the group. Some of my other goals include getting the schedule ready earlier each month, better explaining the reasons behind the choices on each schedule, and continuing and expanding our support of new innovative modes and experiments.

I would like to ask that any members interested in serving on the committee send me an email detailing why they would be a good choice for the job. Typically our job includes taking requests for different modes from the email list and creating a monthly schedule that agrees with the times the command station is available, answering emails to the modes list, supporting special events such as Kids Day and Field Day, and participating in the different modes to ascertain their usefulness and popularity. My criteria for interested volunteers is that they are a current member of AMSAT, are active on AO-51 on a regular basis, have a amsat.org email alias, and have good email access and time to answer emails.

I'd like to have all the volunteers in place by May. Some of the most urgent short term goals include articles and information regarding the upcoming Kids Day, and Field Day. We'll have to hit the ground running on these items."

Thanks and Best 73,
Drew Glasbrenner KO4MA

[ANS thanks Drew, KO4MA for the above information]

/EX

SB SAT @ AMSAT $ANS-120.03
AMSAT Receives HP Technology for Community Grant Initiative

AMSAT News Service Bulletin 120.03
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.03

On Monday, April 24, 2006, AMSAT was notified that it will receive an award from the 2006 Hewlett-Packard Technology for Community Grant Initiative. AMSAT competed with more than 2,000 nonprofit organizations for one of 99

awards. AMSAT will receive HP mobile and wireless technology packages valued at approximately $17,000. This equipment will be used in the AMSAT office and by AMSAT project teams to enhance our productivity and further our mission goals.

Achieving this award was a team effort. AMSAT Secretary Steve Diggs, W4EPI, was responsible for AMSAT's initial qualification while AMSAT Treasurer Gunther Meisse, W8GSM, and Board Member Dr. Thomas A. Clark, K3IO, wrote the proposal. According to HP "Selection of the final grant awardees was very competitive" so the proposal team deserves special recognition for a job well done.

The 2006 HP Technology for Community Grant Initiative award includes the following:

+ Five HP Notebook PCs
+ One HP Tablet PC
+ One HP iPAQ Pocket PC
+ A wireless-ready HP all-in-one printer/scanner/fax/copier
+ A wireless-ready HP digital projector and wireless remote control
+ A wireless access point
+ An HP digital camera bundle
+ A $1000 stipend
+ Training to set up a new wireless network

Each organization will receive the same grant award.

Rick, W2GPS
AMSAT President

[ANS thanks Rick, W2GPS, AMSAT President for the above information]

/EX

SB SAT @ AMSAT $ANS-120.04
ARISS Status 24 April 2006

AMSAT News Service Bulletin 120.04
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.04

1. Upcoming School Contacts

Bob Jones High School in Madison Alabama (Jeff Williams' crew pick) has been approved for an ARISS contact. It has been scheduled for Monday, May 1 at 18:36 UTC via the telebridge station VK5ZAI in Australia. The audio from this contact will be fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. It will also be available on the IRLP Discovery reflector 9010.

Jaanimmarik School in Kuujjuaq, Quebec, Canada has been scheduled for a contact on Thursday, May 4 at 18:10 UTC via the telebridge station VK5ZAI in

Australia. The audio from this contact will be fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. It will also be available on the IRLP Discovery reflector 9010.

2. School Committee Meeting Held

The ARISS Educational Outreach/School Selection Committee meeting was held on Thursday, April 13. Among the topics covered were lesson plans status, the Expedition 13 school crew picks and SuitSat QSL (confirmation) cards. The minutes have been posted on the ARISS web site. See: http://www.rac.ca/ariss/arissschm.htm

3. 2006 Dayton Hamvention

The 2006 Dayton Hamvention will be held on May 19 - 21. AMSAT and ARRL will both set up exhibition booths at the event which is attended by 25,000 ham enthusiasts annually. ARISS Chairman Frank Bauer plans to attend and give a presentation, "ARISS & SuitSat: Current status & future opportunities," on Saturday May 20 at the AMSAT Forum. For more information on the event, see: http://www.hamvention.org/

4. ARISS International Meeting Held

The monthly ARISS International Team Meeting was held by teleconference on April 18. Agenda items discussed included program funding, SuitSat certificates and Slow Scan Television. The minutes have been posted to the ARISS web site: http://www.rac.ca/ariss/arisstel26.htm

The next ARISS International teleconference will be held on May 23.

5. ARISS Members to Participate in Space Day Events

The Steven F. Udvar-Hazy Center will celebrate Space Day on May 5. The center plans on a full day of activities with appearances by several astronauts. An AMSAT exhibition booth will be set up at the event which will include an ARISS display. Representatives will be available to inform students and the general public of the ARISS program.

6. Crew Debrief Plans

The U.S. team has been compiling questions for the crew debrief with Bill McArthur, KC5ACR. The meeting is expected to take place in late May.

7. Escola Americana do Rio de Janeiro Video

Marcos Pontes participated in an ARISS contact with students from the Escola Americana do Rio de Janeiro. Video clips of the event are now available. See: http://www.arissbr.org/globo.mpg

http://www.arissbr.org/tve.mpg

http://www.arissbr.org/sbt.mpg

8. Jeff Williams Makes General Contacts

Astronaut Jeff Williams, KD5TVQ, has already made general radio contacts from on board the ISS. On April 21, ARRL ran an article, "ISS crew member gets early start on ham radio." See: http://www.arrl.org/

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-120.05
Astronaut Bill McArthur Thank You Guestbook

AMSAT News Service Bulletin 120.05
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.05

Your help needed!!

Astronaut Bill McArthur was very active on ham radio during his 6-month mission aboard the ISS. McArthur enjoyed amateur radio and gave many amateurs the chance to talk with an astronaut on the Space Station.

Cor, PD0RKC, is making a CDROM for McArthur with MP3 audio files from the many amateur radio contacts that he made during his mission. Pictures of operators will also be included.

If you have audio files for this CDROM or you know of web sites where Bill McArthur (NA1SS) audio files - including school contact files - can be found, please send them to: wegaman@gmail.com

The CDROM will be delivered to Bill McArthur via Kenneth Ransom, N5VHO (NASA JSC.)

To sign the guestbook visit: http://www.pd0rkc.com

[ANS thanks Cor, PD0RKC for the above information]

/EX

SB SAT @ AMSAT $ANS-120.06
Best Satellite DX for Home Microwave Station

AMSAT News Service Bulletin 120.06
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.06

Luis, CT1DMK has detected Voyager 1 on 8420.4286 MHz (~8 GHz) while it is about 98 Astronomical Units from earth. This is 3 times further away from Earth than Pluto at approximately 14698 million Km.

Since this signal is well below the noise floor of a conventional receiver Luis employed a combination of his homebrew 8 GHz receiver design used with his 5.6 meter dish along with software for digital signal processing.

Luis said, "I had to acquire and integrate spectrograms for a long time. I did several acquisition periods of 15 minutes (900 seconds). My receiver is operated at fixed frequency and the Doppler variation were corrected by skewing successive spectrograms in software. Positive identification Voyager's signal arises from the fact that signal is only visible for the right skew amount that corresponds to the Doppler variation as predicted by the relative velocity calculation."

Luis' has recorded additional success at 8 GHz by receiving these Deep Space Network spacecraft:

+ Mars Reconnaissance Orbiter in orbit around Mars on 8.438444 GHz at a distance
of 243 million Km from earth.

+ Mars Express on 8.420432 GHz also at a distance of 243 million Km from earth.

+ Mars Odyssey on 8.406852 GHz at 243 million Km from earth.

+ Rosetta on 8.421790 GHz 'en route' to the comet 67P, at a distance of 389 million Km from earth.

+ New Horizon Pluto Charon on 8.4378947 GHz while en-route to Pluto but still
relatively close to earth at about 104 million Km from earth.

Details of Luis' operations can be found on-line at:
http://w3ref.cfn.ist.utl.pt/cupido/dsn.html

[ANS thanks Luis, CT1DMK for the above information]

/EX

SB SAT @ AMSAT $ANS-120.07
Sunspot 875 A Crackling Sunspot

AMSAT News Service Bulletin 120.07
From AMSAT HQ SILVER SPRING, MD.
April 30, 2006
To All RADIO AMATEURS
BID: $ANS-120.07

Sunspot 875 is crackling with solar flares. A C8-category blast on 27 April lit up a region around the spot big enough to swallow Earth more than 20 times. Sunspot 875 has a tangled, complex magnetic field that harbors energy for even stronger M-flares. View a movie of the flare at:
http://spaceweather.com/

[ANS thanks SpaceWeather.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG

147. WSR-121 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-05-04 20:34:13 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <9zt6g.3697$Vn.2593@newsread4.news.pas.earthlink.net>
Source record: 1603

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-121.S1
WSR 121 Part 1 05/01/2006

AMSAT NEWS SERVICE BULLETIN 121.S1 FROM AMSAT HQ
SILVER SPRING, MD, May 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-121.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): FM Repeater, V/S
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 1
FM Repeater, V/S
a.. Uplink: 145.920 mhz FM, No PL Tone
b.. Downlink 2401.200 mhz FM

May 5 (by request for university satellite command station testing)
38k4 Digital Downlink, V/S, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 2401.200 mhz FM, 38k4 PBP Digital

May 8
FM Repeater, V/U, High Power Mode
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
a.. Downlink 435.300 mhz FM

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U

a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05012006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[04242006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-121.S2
WSR 121 Part 2 05/01/2006

AMSAT NEWS SERVICE BULLETIN 121.S2 FROM AMSAT HQ
SILVER SPRING, MD, May 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-121.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet/Occassinal Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR

USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[04242006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

Broadcast:
BBS:

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater, V/S
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:
May 1
FM Repeater, V/S
a.. Uplink: 145.920 mhz FM, No PL Tone
b.. Downlink 2401.200 mhz FM

May 5 (by request for university satellite command station testing)
38k4 Digital Downlink, V/S, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 2401.200 mhz FM, 38k4 PBP Digital

May 8
FM Repeater, V/U, High Power Mode
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
a.. Downlink 435.300 mhz FM

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05012006]
=====

NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

This from James DeYoung on April 28,2006:
UO-11 VHF 1200-bps AFSK telemetry beacon 145.826 very loud this
afternoon.
Monitored from FM18 using Arrow antenna and 910H from 22:51 to 23:54 UTC
28
April 2006 during near zenith pas

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-121.S3
WSR 121 Part 3 05/01/2006

AMSAT NEWS SERVICE BULLETIN 121.S3 FROM AMSAT HQ
SILVER SPRING, MD, May 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-121.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]

=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11

BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A

Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]

=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-121.S4
WSR 121 Part 4 05/01/2006

AMSAT NEWS SERVICE BULLETIN 121.S4 FROM AMSAT HQ
SILVER SPRING, MD, May 01, 2006
TO ALL RADIO AMATEURS
BID: $ANS-121.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org

NNNN
/EX

148. Rotor Controller

Newsgroup: rec.radio.amateur.space
Date: 2006-05-05 08:22:05 UTC
From: Jabi <ea2aru@euskalnet.net>
Message-ID: <e3f1u6$oem1@eui1nw.euskaltel.es>
Source record: 1604

I am one old Rotor Controller squeme for Gotz Romahm, year 2002 for the Pic 16F84. But I'nt the code for the Pic.
Any have the code or source for it?
Salu2, de Jabi, EA2ARU.

149. Radio Meteor Obs. Bull. April 2006 Lyrids

Newsgroup: rec.radio.amateur.space
Date: 2006-05-06 20:03:35 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <c80q529ra4cug5b80aho7lpalb318a5c3q@4ax.com>
Source record: 1605
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 153 of April 2006 (78 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0604.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

150. ANS-127 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-05-09 14:21:51 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <3A18g.499$Jf.267@newsread4.news.pas.earthlink.net>
Source record: 1606

AMSAT NEWS SERVICE
ANS-127

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

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In this edition:

* Reminder - Opportunities to Participate With AMSAT at Dayton
* 2006 AMSAT-NA Space Symposium Call for Papers: First Announcement
* SuitSat is Still in the News
* AMSAT Awards
* ARISS Status for the Week of May 1, 2006
* View Re-creation of Huygens Probe Landing on Titan
* Milestones Reached - Congratulations

SB SAT @ AMSAT $ANS-127.01
Reminder - Opportunities to Participate With AMSAT at Dayton

AMSAT News Service Bulletin 127.01
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.01

The main AMSAT Forum at the 2006 Dayton Hamvention will be held Saturday morning, May 20th, from 8:15 AM to 10:45 AM in Forum Room 1. We have a great program scheduled so come by and spend Saturday morning with us to find out the most up to date information on P3E, EAGLE, AO-51, ARISS and AMSAT.

Barry Baines, WD4ASW, AMSAT's VP-Marketing & User Services, will moderate the forum which includes these topics:
1. Rick Hambly, W2GPS, President, AMSAT-NA "Phase 3-E Satellite Design and

Development Status."
2. Jim Sanford, WB4GCS, EAGLE Project Manager "Eagle Project Overview and Status Report."
3. EAGLE Project Development Team "Technology Update: Software Defined Transponder, Internal Housekeeping Unit, Energy Storage Experiments, and Structure Analysis."
4. Gould Smith, WA4SXM, Director Field Operations, AMSAT-NA "Introduction to AO-51 Operation with a Command Station Update."
5. Frank Bauer, KA3HDO, VP-Human Space Flight, AMSAT-NA "ARISS & SuitSat: Current Status & Future Opportunities."

Special emphasis will be placed on the status of the AMSAT-NA EAGLE satellite project and the AMSAT-DL P3E satellite.

The AMSAT Educator's Forum will be held Saturday from 11:30 to 12:15 AM in Forum Room 5 where Dr. H. Paul Shuch, N6TX, Director of Education of AMSAT-NA will host "Shared Experiences of Using Satellites in the Class-room."

Live satellite demonstrations will be another AMSAT feature at Dayton. Drew Glasbrenner, KO4MA; Keith Pugh, W5IU and other volunteers will be making live satellite contacts Friday, Saturday and Sunday during the Dayton Hamvention. Contacts on both the FM and SSB satellites will be demonstrated outside the Ball Arena entrance, just a short distance from the AMSAT booth.

AMSAT will also be demonstrating operation through the future Eagle and P3E SDX (Software Defined Transponder) located in the AMSAT booth. Bob McGwier, N4HY, Tom Clark, K3IO and Howard Long, G5LVB will have an SDX operating and also have live displays of signals in the 50 kHz pass band.

While you are in town plan to take advantage of AMSAT's Thursday night 'Pizza and Suds' gathering at Mario's Piazza. The Friday night Banquet will be at the Amber Rose. Contact Nancy Makley, kc8gyw@amsat.org to make your reservations for both events.

Gould Smith, AMSAT Director Field Operations, issued a call for volunteers at Dayton 2006, "We are looking for a few good men or women to help at the AMSAT booth during the Dayton Hamvention. The booth will be open Friday May 19th from 9 AM to 6 PM, Saturday May 20th, 8 AM to 5 PM and Sunday 8 AM to 1 PM.

We need people to answer questions about satellite operation, take donations for publications and trinkets, memberships and renewals, demonstrate software and assist with satellite demos. Please volunteer for a two hour shift each day while you are attending the Hamvention. If you can only find an hour, that will also be welcomed. Sign up in advance by sending Gould an email at: wa4sxm@amsat.org.

Many more details of AMSAT at Dayton can be found on-line at http://www.amsat.org.
Follow the Dayton links.

Gould, WA4SXM
AMSAT Director Field Operations

[ANS thanks Gould, WA4SXM, AMSAT Director Field Operations for the above information.]

/EX

SB SAT @ AMSAT $ANS-127.02
2006 AMSAT-NA Space Symposium Call for Papers: First Announcement

AMSAT News Service Bulletin 127.02
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.02

Invitation: Speakers are invited to submit and present papers dealing with the science of Amateur Radio Satellites and associated technologies for the AMSAT 2006 Space Symposium. The Symposium will be held at the Crowne Plaza Hotel in Foster City, California, approximately 10km south of San Francisco International Airport.

Since the 2005 Symposium was cancelled due to hurricane damage caused by hurricanes Katrina and Rita, speakers originally scheduled for the 2005 Symposium are invited to re-submit papers for the 2006 Symposium.

For more information please refer to:
http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

Topics: Recommended topics include but are not
limited to the following categories:

. AMSAT P3E
. AMSAT Eagle
. Microsatellite Projects
. Cubesat and Nanosatellite Projects
. ARISS
. Attitude Determination and Control
. Propulsion
. Communications
. Mechanical
. Antennas
. Groundstations
. Digital Modes
. Education and Outreach
. Launch Opportunities
. Status Reports

Other Activities:
. The AMSAT Board of Directors will meet on 5-6 October.
. The AMSAT Annual General Meeting (AGM) will be held on 6 October.
. AMSAT International will meet 8 October
. The IARU Satellite Committee will meet during the Symposium and will

hold a public round table discussion on frequency coordination on
8 October
. The ARISS International Delegates Meeting will be held on 9-10 October
. "Birds of a Feather" sessions (BOFS) will be available on request

Deadline: Applications to present papers must be submitted by 15 July 2006.
Papers must be submitted no later than 1 August 2006.

Procedure: The planning committee has created an online registration system
where you can submit your abstract and track it. Using this system you will
allow you to submit your paper and any subsequent changes online.
Visit the 2006 Symposium Paper Registration webpage for instructions:
http://www.amsat.org/amsat-new/symposium/2006PapersProcedure.php

Organizer: Project OSCAR. Contact Emily Clarke, N1DID for additional
information

Venue: See the 2006 Space Symposium web page for additional information
about
the venue: http://www.amsat.org/amsat-new/symposium/

[ANS thanks Emily, N1DID for the above information]

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SB SAT @ AMSAT $ANS-127.03
SuitSat is Still in the News

AMSAT News Service Bulletin 127.03
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.03

This week, Frank Bauer, KA3HDO who is the ARISS International Chairman
and AMSAT's V.P. for Human Spaceflight Programs provided an update on
SuitSat, the amateur radio space suit that continues to inspire the world.

Frank said, "SuitSat-1's re-entry is coming few weeks from now. Would
anyone like to enter a "Chicken Little" contest?" For those unfamiliar
with this term, it refers to the "sky is falling" from the Chicken Little
story. You are invited to pick the date that SuitSat-1 will fall from the
sky. Amateurs have begun posting their Chicken Little dates on-line at
the AMSAT bulletin board: amsat-bb@amsat.org. The winner is the person
who picks the date closest to the re-entry event. Prizes include bragging
rights as well as the fame and notoriety associated with successful re-entry

prognastication.

Frank also noted that SuitSat-1 is still being featured in the popular
press:

+ The 2006 "100 Best" of everything as compiled by Reader's Digest includes
the "Best Empty Suit"--SuitSat. In the paper edition, SuitSat is listed

as the 25th best. It can also be viewed on the Reader's Digest web site.
To view the write up (38th item from the top), see:
http://www.rd.com/content/openContent.do?contentId=26667

+ Popular Science plans to highlight SuitSat in an upcoming magazine.

+ Boys Life (scouting magazine) will have an article and pictures in the
next couple of months.

[ANS thanks Frank, KA3HDO for the above information]

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SB SAT @ AMSAT $ANS-127.04
AMSAT Awards

AMSAT News Service Bulletin 127.04
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.04

Bruce Paige, KK5DO, who is AMSAT's Director Contests and Awards says this
week, congratulations go out to all of the following.

Phet Imtonkhum HS4POV AMSAT Satellite Communicators Club Award
Stefan Meszaros DL3SEM AMSAT Satellite Communicators Club Award
Richard Nelson W2ACY AMSAT Satellite Communicators Club Award
Chris Pakulski KB8FNC AMSAT Satellite Communicators Club Award

Terry Moorby VE3DIJ South Africa AMSAT Satellite Communication
Achievement Award #US95

Yoshi Esaki JA6BX W4AMI Award #42
Rick Behma VE4AMU W4AMI Award #43

These are the last of the 51 on 51 Awards as the closing period for
submissions was April 30, 2006.

Kyle Yoksh K0KN 51 on 51 Award #67
Yohsio Esaki JA6BX 51 on 51 Award #68
Iji Yoshitomo JA6PL 51 on 51 Award #69
Ricky Behma VE4AMU 51 on 51 Award #70

To see all the awards visit http://www.amsat.org.

[ANS thanks Bruce, KK5DO for the above information]

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SB SAT @ AMSAT $ANS-127.05
ARISS Status for the Week of May 1, 2006

AMSAT News Service Bulletin 127.05
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006

To All RADIO AMATEURS
BID: $ANS-127.05

1. Successful School Contacts

Bob Jones High School in Madison Alabama had an ARISS contact on Monday, May 1 via the telebridge station VK5ZAI in Australia.

Jaanimmarik School in Kuujjuaq, Quebec, Canada had an ARISS contact on Thursday, May 4 also via the telebridge station VK5ZAI in Australia.

2. ARISS Members Participated in Space Day on May 5

ARISS members participated in the Steven F. Udvar-Hazy Center Space Day activities on Friday, May 5. An AMSAT exhibition booth was set up at the event and included an ARISS display. Representatives displayed ISS Ham hardware and informed students and the general public of the ARISS program. They also talked about how AMSAT builds small satellites and displayed the Cal-Poly Cubesat model and picosats.

3. ARISS School Demonstrates Satellite Communications

On Monday, April 24, Larry Phelps, K4OZS, demonstrated satellite communications to two classes of fifth grade students at Romeo Elementary School in Dunnellon, Florida using the AMSAT Oscar (AO-51) satellite repeater. He received calls from many stations to the delight of the students.&#65533; This demonstration was part of the preparation for an upcoming ARISS contact at the school. Phelps held another demonstration at the school in April 2005 and is a member of the Silver Springs Radio Club which will assist in the upcoming contact. Active in amateur radio, he also recently received a QSL card for a contact with Bill McArthur, KC5ACR.

4. SuitSat Video

On April 18, Kevin Fetter from Brockville, Ontario, Canada videotaped SuitSat as it passed overhead. The video may be found on the Space Weather website, http://spaceweather.com/. Select April 28 under &#65533;View Archives&#65533; to view the video.

5. Marcos Pontes Pleased with ARISS Contacts

Brazilian astronaut Marcos Pontes, PY0AEB, visited Bauru, Sa?o Paulo, Brazil to give a speech and while there, he presented a gift to Fabiano Moser, PY5RX, to commemorate Pontes&#65533; contact with him via amateur radio while he was on board the ISS. He remarked how nice it was to hear many people calling to him on the radio in his native language and because of this, he never felt alone. See: http://www.issfanclub.com/node/4958

6. Commander Active on ARISS Radio

ISS Commander Pavel Vinogradov, RV3BS, has been very active on the ISS Ham radio equipment over Russia. He has been heard making daily voice contacts over Siberia and has also made some contacts over European Russia as well.

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-127.06
View Re-creation of Huygens Probe Landing on Titan

AMSAT News Service Bulletin 127.06
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.06

A recent article posted at http://www.saturndaily.com points readers to a link at the NASA Jet Propulsion Labs on-line Planetary Photo Journal featuring a movie, viewable on your computer, of the Descent Imager/Spectral Radiometer camera on board the European Space Agency's Huygens probe landing on Saturn's moon Titan on Jan. 14, 2005.

To view the QuickTime movie visit the JPL site at:
http://photojournal.jpl.nasa.gov/catalog/PIA08117
(Be patient and allow time for the entire site to load.)

The almost four-hour-long operation of the camera is shown in less than five minutes. The first part of the movie shows how Titan looked to the camera as it acquired more and more images during the probe's descent. Each image has a small field of view, and dozens of images were made into mosaics of the whole scene.

Sounds from a left speaker trace Huygens' motion, with tones changing with rotational speed and the tilt of the parachute. There also are clicks that clock the rotational counter, as well as sounds for the probe's heat shield hitting Titan's atmosphere, parachute deployments, heat shield release, jettison of the camera cover and touchdown.

Sounds from a right speaker go with the Descent Imager/Spectral Radiometer activity. There's a continuous tone that represents the strength of Huygens' signal to Cassini. Then there are 13 different chimes - one for each of instrument's 13 different science parts - that keep time with flashing-white-dot exposure counters. During its descent, the Descent Imager/Spectral Radiometer took 3,500 exposures.

More details can also be read on-line at:
http://www.saturndaily.com/reports/Scientists_Compile_Huygens_Descent_Movies
.html
(careful with the line wrap).

[ANS thanks SpaceDaily.com, SaturnDaily.com, and NASA Jet Propulsion Labs for the above information.]

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SB SAT @ AMSAT $ANS-127.07
Milestones Reached - Congratulations

AMSAT News Service Bulletin 127.07
>From AMSAT HQ SILVER SPRING, MD.
May 7, 2006
To All RADIO AMATEURS
BID: $ANS-127.07

Pop, VU2POP, Secretary of AMSAT India, reminds us to wish Happy Birthday to HAMSAT VO-52 which turns one year old and is still going strong. Thank you to the Indian Space Research Organization for the wonderful gift of HAMSAT.

Bill Pasternak, WA6ITF, Producer of Amateur Radio Newsline says that next week the on-the-air newscast will reach #1500. That translates into 28.8461 years of doing Westlink which became Newsline -- and never missing a deadline or air-date. Newsline frequently features AMSAT events in its broadcasts. Congratulations to the Newsline team and we look forward to sharing lots more of the excitement of Amateur Radio in space!

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

151. WSR-128 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-05-10 14:24:28 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <wIm8g.951$Jf.865@newsread4.news.pas.earthlink.net>
Source record: 1607

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-128.S1
WSR 128 Part 1 05/08/2006

AMSAT NEWS SERVICE BULLETIN 128.S1 FROM AMSAT HQ
SILVER SPRING, MD, May 08, 2006
TO ALL RADIO AMATEURS
BID: $ANS-128.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): FM Repeater, V/U High Power Mode
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 8
FM Repeater, V/U, High Power Mode
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
a.. Downlink 435.300 mhz FM

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05082006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[04242006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-128.S2
WSR 128 Part 2 05/08/2006

AMSAT NEWS SERVICE BULLETIN 128.S2 FROM AMSAT HQ
SILVER SPRING, MD, May 08, 2006
TO ALL RADIO AMATEURS
BID: $ANS-128.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet/Occassinal Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

[04242006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has
been
activated. Bob reports that you need to connect to pcsat2 and then you
can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it
work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without
any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks
info]
[05082006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater, V/U High Power Mode
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 8
FM Repeater, V/U, High Power Mode
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
a.. Downlink 435.300 mhz FM

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05082006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

This from James DeYoung on April 28,2006:
UO-11 VHF 1200-bps AFSK telemetry beacon 145.826 very loud this
afternoon.
Monitored from FM18 using Arrow antenna and 910H from 22:51 to 23:54 UTC
28
April 2006 during near zenith pas

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-128.S3
WSR 128 Part 3 05/08/2006

AMSAT NEWS SERVICE BULLETIN 128.S3 FROM AMSAT HQ
SILVER SPRING, MD, May 08, 2006
TO ALL RADIO AMATEURS
BID: $ANS-128.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====

LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]

=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-128.S4
WSR 128 Part 4 05/08/2006

AMSAT NEWS SERVICE BULLETIN 128.S4 FROM AMSAT HQ
SILVER SPRING, MD, May 08, 2006
TO ALL RADIO AMATEURS
BID: $ANS-128.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

152. Astronomy/Space File Directory

Newsgroup: rec.radio.amateur.space
Date: 2006-05-11 12:37:01 UTC
From: Brian Webb <kd6nrp@earthlink.net>
Message-ID: <NdG8g.2909$u4.829@newsread1.news.pas.earthlink.net>
Source record: 1608

Hello:

I have just posted a site map of the astronomy/space-related files on my web site at http://www.spacearchive.info/site-map.htm.

The map provides a table of contents of the articles, news items, photos, and audio files I have posted since my site went online in 1996.

You might find the RF-related material (AO-27 and Space Shuttle air-to-ground recordings) listed under the File Library (near the bottom of the page) to be of particular interest.

Regards,

Brian W., KD6NRP
Webmaster

153. REALISTIC DX-302 HAM-SHORTWAVE RECEIVER-MINT-$150

Newsgroup: rec.radio.amateur.space
Date: 2006-05-12 16:10:05 UTC
From: nativebrookie@hotmail.com
Message-ID: <1147450205.697142.213790@g10g2000cwb.googlegroups.com>
Source record: 1609

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=9724283116&rd=1&sspagename=STRK%3AMESE%3AIT&rd=1

DX-302 REALISTIC SHORTWAVE RECEIVER..MANUFACTURED IN THE EARLY 1980'S..THE DX-302 SELECTIVITY SWITCH IS A TRUE IF FILTER WITH WIDE AND NARROW..WILL ALSO RUN ON BATTERY POWER..HAS A PRESELECTOR TUNE SWITCH..30 BANDS OF 1MHZ ON THE INNER TUNING DIAL..AND THE OUTER TUNING DIAL TUNES EVERY 1 KHZ...RECEIVES FROM 050 KHZ THROUGH 30 MHZ..HAS ATTEN SWITCH TO CUT DOWN STRONG SIGNALS..AND BFO PITCH FOR LSB/USB/CW...RF GAIN AND AF GAIN/POWER SWITCH..HEADPHONE JACK AND COAX AND SCREW TYPE ANTENNA CONNECTOR..THIS RECEIVER IS IN MINT LIKE NEW CONDITION.NO SCRATCHES OR OTHER PROBLEMS WITH IT. .READOUT IS BRIGHT RED AND ALL LIGHTS ARE IN WORKING ORDER AND DIALS TURN FREELY.

This is a communications receiver that covers 10kc - 30 mc in 1 mc bands. This radio is in MINT condition. Original knobs, crisp lettering, cabinet and front panel are excellent. Rear battery box is complete with battery tubes. Large red LED readout, wide and narrow selectivity, AM/SSB/CW capable and much more make this a fun receiver. Original cabinet paint is PERFECT.

154. Re: REALISTIC DX-302 HAM-SHORTWAVE RECEIVER-MINT-$150

Newsgroup: rec.radio.amateur.space
Date: 2006-05-13 05:55:07 UTC
From: NudoWhipper <thenudofamily@epix.net>
Message-ID: <35ta62dep5v9egl3sior4v1jo6mf7nnpc1@4ax.com>
Source record: 1610
Cross-posted to: es.rec.radio.amateur,rec.radio.amateur.dx,rec.radio.amateur.space

On 12 May 2006 at 09:09:07 -700, "Charlie Nudo"
<nativebrookie@hotmail.com> spammed:

http://cgi.ebay<snip>

STOP THIS SPAMMER!

Google Groupers:

Click on "Show Options," click on "Show Original," cut and paste the
whole message including headers, and send in a spam complaint to:

groups-abuse"AT"google.com
abuse"AT"epix.net
spam"AT"ebay.com (Spammer's eBay account is "66fourdoor")

This spammer shows up under various trash (MAPI) email accounts:

trippin28track"AT"yahoo.com
winchester1886"AT"hotmail.com
nativebrookie"AT"hotmail.com

Due to Google Groups shutting down some of his other MAPI accounts,
the fool is now also spamming from his own POP3 accounts:

analog"AT"epix.net
bb69"AT"epix.net

His home ISP is Epix. His main POP3 account is
thenudofamily"AT"epix.net. ALL his spam eminates from Epix IP blocks.

Those using real newsreaders will already know what to do with this
spamming pest and eBay fraudster. His spam posts are a violation of
eBay's Terms of Service pertaining to Usenet Policy. Be sure to
include that in your report to eBay.

155. 15-->>28 MAY - BIG TSUNAMI ATLANTIC !!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-05-13 12:33:51 UTC
From: TERRE <TERRE9999@hotmail.fr>
Message-ID: <1147523631.457938.110320@v46g2000cwv.googlegroups.com>
Source record: 1611

15-->>28 MAY - BIG TSUNAMI ATLANTIC !!!!!!

TRANSLATION FRENCH -->> ENGLISH
http://translate.google.com/translate_t

http://www.erenouvelle.com/newsrazm.php
http://www.erenouvelle.com/newsraz2.php
http://www.erenouvelle.com/newsraz3.php
http://www.erenouvelle.com/newsraz4.php

http://www.savelivesinmay.com/

LOVE AND PEACE
MCE

156. continuing real-time solar wind data - public comment

Newsgroup: rec.radio.amateur.space
Date: 2006-05-15 05:54:23 UTC
From: yea right <spam@spam.spam>
Message-ID: <pan.2006.05.15.05.54.22.170937@spam.spam>
Source record: 1612
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.space,rec.radio.shortwave

For those of you in the United States, (perhaps even people outside)
please consider writing or e-mailing a comment about how important the
real-time solar wind data is to our hobbies and emergency HF comms.

Please do not crosspost any replies

Solar Wind Comment Period Nears Its End

On April 3, 2006, the National Oceanic and Atmospheric Administration
(NOAA) issued a press release announcing a call for public comment on the
value of continuing real-time solar wind data, and products derived from
such data, provided by the Space Environment Center. Since that time,
NOAA has received many thoughtful, compelling comments regarding this
issue. It is obvious that people put their valuable time and effort into
expressing themselves, and their input is most appreciated.

There is still time to add your comments, but time is running short. As
stated in the April 3 press release, the comment period continues until
May 18. All input is important, so, if you haven't voiced your opinion
yet and would like to, please take the time to do so. Please send your
comments to:

solar.wind.comments@noaa.gov or contact:

NWS Contacts: Beth McNulty or Dorothy Haldeman

Mail:
National Weather Service
Office of Climate, Water and Weather Services Aviation Services Branch
1325 East-West Highway, SSMC2
Silver Spring, MD 20910

Phone: 301-713-1726 x116 or 301-713-1726 x130

Thank You
Space Environment Center

157. Les plus belles jeunes filles du web

Newsgroup: rec.radio.amateur.space
Date: 2006-05-18 10:04:56 UTC
From: mathilda@canadaweb.net
Message-ID: <446c46c7$0$21301$8fcfb975@news.wanadoo.fr>
Source record: 1613
Body handling: HTML body converted to readable text

[No readable article body recovered]

158. ANS-134 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-05-18 15:13:19 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <ja0bg.3611$x4.2068@newsread3.news.pas.earthlink.net>
Source record: 1614

AMSAT NEWS SERVICE
ANS-134

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* 2006 AO-51 Field Day Configuration
* What is new at Dayton 2006?
* AMSAT-NA Board of Directors Nomination Deadline
* ARISS antenna installation on Columbus Module
* ARISS Status - 08 May 2006

SB SAT @ AMSAT $ANS-134.01
2006 AO-51 Field Day Configuration

AMSAT News Service Bulletin 134.01
From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.01

This year, AO-51 will be setup in dual FM repeater mode, allowing for two usable FM repeaters from the satellite. The FM repeater utilizing the transmitter on 435.300 will be open to all users. The FM repeater utilizing the transmitter on 435.150 (normally reserved for BBS operations) will be reserved during Field Day for QRP stations only, as has been the common practice when this mode runs on AO-51. Please note the information on the mode configurations and QRP requirements.

FM Repeater #1 for all Users:
Downlink: 435.300 mhz FM
Uplink: 145.920 mhz FM

FM Repeater #2 for QRP Users ONLY:
Downlink: 435.150 mhz FM
Uplink: 145.880 mhz FM

AO-51 ECHO LOW POWER STATION (QRP) REQUIREMENTS:
To attempt to keep this simple, a low power station will be defined as a

station which can deliver no more than 10 watts to a vertical or handheld antenna. These are some examples of Low Power Stations:

* Using an HT (barefoot, no amplifier) with 10 watts or less output into any type of vertical whip antenna (rubber duck, etc) or handheld beam antenna (arrow type).

* Using a mobile station with 10 watts or less output into car mounted mobile whip antenna(s).

* Using a base station at 10 watts output into a vertical omni-directional antenna on the side of the house.

Examples that are NOT Low Power Stations:

* Any type of high gain beam antenna, KLM, M2, Cushcraft, etc.

* Any station transmitting over 10 watts into any type of antenna.

[ANS thanks Mike, KE4AZN, for the above information]

/EX

SB SAT @ AMSAT $ANS-134.02
What is new at Dayton 2006?

AMSAT News Service Bulletin 134.02
From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.02

In additon to the AMSAT forums, satellite demonstrations, EAGLE transponder demo, Banquet and talk, Educational forum you will find many new items at the AMSAT booth #444-448.

Come by and talk with other satellite operators, officers and Board members, renew your membership, donate to Eagle and get the latest offerings.

See you Hara Arena, Dayton, OH May 19-21, 2006

New and Updated items
Digital Disk (*** NEW) WiSP + digital test files 400 bps-38k4 bps plus..
Proceedings of the AMSAT-NA 2005 Space Symposium (*** NEW Interesting papers)
AMSAT/Eagle Golf shirts, tee shirts and hat (*** NEW)
AMSAT/Eagle patches and decal (*** NEW)
Getting Started with Amateur Satellites (*** Updated 2006)
AMSAT Frequency Chart (*** Updated 2006)

Dayton Specials
SatPC32 software - (**** Dayton Special)
SCRAP software - (**** Dayton Special)
InstantTrack software - (**** Dayton Special)

30th Anniversary AO-7 QSL Cards (**** Dayton Special for 100 cards)
For a $5 or more donation to Eagle get an AMSAT Refrigerator Magnet or
AMSAT Pen

Regular Membership - will receive
Renewing: AMSAT Tote and Frequency chart
New member: AMSAT Tote, Frequency chart, Journal, Presentation

[ANS thanks Gould, WA4SXM, for the above information]

/EX

SB SAT @ AMSAT $ANS-134.03
AMSAT-NA Board of Directors Nomination Deadline

AMSAT News Service Bulletin 134.03
From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.03

It is time to submit nominations for the upcoming open seats on the
AMSAT-NA Board of Directors. A nomination requires either one Member
Society or five current individual members to noninate an AMSAT member
for the position. A director serves for a period of two years. Three
directors' terms expire this year: Tom Clark, K3IO, Lou McFadin, W5DID,
and Paul Shuch, N6TX. Written nominations must be received at the AMSAT
office no later than 12 June 2006.

Nominations MUST be in writing and mailed to:
AMSAT
850 Sligo Ave #600
Silver Spring, MD 20901

[ANS thanks the AMSAT Journal for the above information]

/EX

SB SAT @ AMSAT $ANS-134.04
ARISS antenna installation on Columbus Module

AMSAT News Service Bulletin 134.04
From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.04

The European Space Agency's International Space Station Columbus module
is expected to arrive at NASA's Kennedy Space Center on 30 May 2006,
where it will be prepared for its launch to the space station on the
space shuttle.

As announced in the ARISS-Europe News Bulletin of 02 May 2006, the
cables for the ARISS antennas for the 23cm and 13cm Amateur bands are

presently being installed on the hull of Columbus.

ARISS team member Oliver Amend, DG6BCE took photos of the work in progress, see:
http://www.southgatearc.org/news/may2006/ariss_antennas_columbus.htm

Columbus will provide state-of-the-art internal payload accommodation for experiments in material science, fluid physics and life science, and its external payload facility will host experiments and applications in the field of space science, Earth observation and technology

[ANS thanks Trevor, M5AKA, for the above information]

/EX

SB SAT @ AMSAT $ANS-134.05
ARISS Status - 08 May 2006

AMSAT News Service Bulletin 134.05
From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.05

1. Bob Jones High School Contact Successful

On Monday, May 1, Jeff Williams, KD5TVQ, participated in his first ARISS contact with students from Bob Jones High School in Madison Alabama. Seventeen questions were asked by 13 students via the telebridge station VK5ZAI in Australia. Among the 100 students and teachers attending the event was Jeff Williams' brother. Media coverage included the Huntsville Times and the Madison County Record. The audio from this contact was webcast by Verizon Conferencing and was fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. Eighteen connections, including three repeaters, were made from 7 countries. Nine connections were also made on the IRLP Discovery reflector 9010 from 3 countries: UK, USA, and Canada.

ARRL's article, "ROTC Cadets at Alabama School Query ISS Astronaut," covered the news and may be found at:
http://www.arrl.org/news/stories/2006/05/05/1/?nc=1

2. Canadian School Contact, a Success

Jaanimmarik School in Kuujjuaq, Quebec, Canada experienced a successful contact with the ISS on Thursday, May 4 via the telebridge station VK5ZAI in Australia. Jeff Williams, KD5TVQ, answered twenty-three questions posed to him by 18 students. The event was well attended by approximately 450 students, teachers and parents. Among the dignitaries present were the president and CEO of Makivik Corporation, Senator C. Watt, local officials, and elders from the community school board from the Montreal and local offices. Media coverage was provided by a local radio station which broadcast the event live, translating the contact in Inuktituk, CBC North, and APTN (Northern Canada TV Network). APTN is

producing a presentation for later broadcasting. The City of Ottawa media also reported the event. The audio from this contact was webcast courtesy of Verizon Conferencing and was fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. Twenty-three connections were made, of which two were repeaters, from 9 countries, including Bangladesh, Holland and Thailand. It was also available on the IRLP Discovery reflector 9010.

3. Space Day Event at the Udvar-Hazy Center

On Friday, May 5, ARISS members participated in the Space Day activities at the Steven F. Udvar-Hazy Center. AMSAT and ARISS members provided displays and hands on activities for the students. Approximately 10,000 visitors were expected to attend the event.

4. ARRL Article on Expedition 14 Hams

On May 3, ARRL ran a story covering the newly named Expedition 14 crew, all licensed Amateur Radio operators. The article, "Three radio amateurs on next ISS crew", may be found at: http://www.arrl.org/

5. Cleveland Heights High School contact

Students at the Cleveland Heights High School participated in an ARISS contact on March 17. Photos of the event are now available. See: http://www.chuh.org/chhs/library/podcasts/Kidpics/index.htm

6. Technical Interchange Meeting Planned

An ARISS Technical Interchange Meeting is being planned for the week of July 10 in Houston. Topics of discussion will include ARISS hardware, software, slow scan television, and plans for SuitSat-2.

7. SuitSat-1 Contest

AMSAT is planning a "Chicken Little" contest to see who can guess when SuitSat-1 will re-enter the earth's atmosphere. There will be K-8, 9-12 and adult categories. Certificates will be provided to the winners of each group. More information will be forthcoming.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

159. WSR-135 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-05-18 15:16:10 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <_c0bg.3613$x4.2772@newsread3.news.pas.earthlink.net>
Source record: 1615

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This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-135.S1
WSR 135 Part 1 05/15/2006

AMSAT NEWS SERVICE BULLETIN 135.S1 FROM AMSAT HQ
SILVER SPRING, MD, May 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-135.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): FM Repeaters, V/U and QRP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05152006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607

Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====

AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet / Occasional Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[04242006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-135.S2
WSR 135 Part 2 05/15/2006

AMSAT NEWS SERVICE BULLETIN 135.S2 FROM AMSAT HQ
SILVER SPRING, MD, May 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-135.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet/Occassinal Voice - V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

[04242006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has
been
activated. Bob reports that you need to connect to pcsat2 and then you
can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it
work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without
any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks
info]
[05082006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater, V/U High Power Mode and QRP mode
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 15
FM Repeaters, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
FM Repeater, V/U (QRP only)
a.. Uplink: 145.880 mhz FM
b.. Downlink 435.300 mhz FM

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

May 29
No Change

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05152006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]

=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM

145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

This from James DeYoung on April 28,2006:
UO-11 VHF 1200-bps AFSK telemetry beacon 145.826 very loud this
afternoon.
Monitored from FM18 using Arrow antenna and 910H from 22:51 to 23:54 UTC
28
April 2006 during near zenith pas

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-135.S3
WSR 135 Part 3 05/15/2006

AMSAT NEWS SERVICE BULLETIN 135.S3 FROM AMSAT HQ
SILVER SPRING, MD, May 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-135.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====

LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]

=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-135.S4
WSR 135 Part 4 05/15/2006

AMSAT NEWS SERVICE BULLETIN 135.S4 FROM AMSAT HQ
SILVER SPRING, MD, May 15, 2006
TO ALL RADIO AMATEURS
BID: $ANS-135.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

160. ANS-141 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-05-24 13:18:44 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <U2Zcg.4430$921.1716@newsread4.news.pas.earthlink.net>
Source record: 1616

AMSAT NEWS SERVICE
ANS-141

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

****

In this edition:

* AMSAT Shows Our Stuff at Dayton
* Plan for AO-51 Kid's Day on June 17
* AO-51 June Schedule
* Colloquium and Symposium Opportunities
* Latest Version of PREDICT Software Available
* ARISS Status May 15, 2006
* Reminder: AMSAT-NA Board of Directors Nomination Deadline

SB SAT @ AMSAT $ANS-141.01
AMSAT Shows Our Stuff at Dayton

AMSAT News Service Bulletin 141.01
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.01

This weekend's annual Dayton Hamvention, May 19-21, gave AMSAT volunteers an opportunity to showcase the exciting future of Amateur Radio in Space.

Saturday morning's AMSAT forum presented news of present and future projects including:

+ Phase 3-E Satellite Design and Development
+ Eagle Project Overview and Status

+ Software Defined Transponder, Internal Housekeeping Unit, Energy Storage Experiments, and Structure Analysis
+ ARISS & SuitSat: Current Status & Future Opportunities
+ Introduction to AO-51 Operation with a Command Station Update

Dr. H. Paul Shuch, N6TX, Director of Education, hosted "Shared Experiences of Using Satellites in the Classroom" at the AMSAT Educator's Forum on Saturday.

Live satellite operating demonstrations were conducted by Drew, KO4MA; Keith W5IU and other volunteers on Friday, Saturday and Sunday. Contacts on both the FM and SSB satellites were demonstrated.

AMSAT demonstrated operation through the future Eagle and P3E SDX (Software Defined Transponder). Bob McGwier, N4HY, Tom Clark, K3IO and Howard Long, G5LVB had an SDX operating with live displays of signals in the 50 kHz pass band.

Thanks to all who helped and to all who visited the AMSAT booth!

[ANS thanks Gould, WA4SXM, AMSAT Director Field Operations for the above information.]

/EX

SB SAT @ AMSAT $ANS-141.02
Plan for AO-51 Kid's Day on June 17

AMSAT News Service Bulletin 141.02
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.02

Mike, KE4AZN, Amsat VP-Operations, and Echo Command Station says AMSAT-NA, the AO-51 Command Team, and the AO-51 Operations Team will sponsor Kid's Day on AO-51 on June 17, 2006.

The event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids.

During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note we will use the normal AO-51 uplink frequency for the event with the PL tone will be turned ON.

Uplink: 145.920 mhz FM voice 67 Hz PL Tone
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during the event.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL website for
more Kids Day information.

[ANS thanks Mike, KE4AZN, Echo Command Station for the above information]

/EX

SB SAT @ AMSAT $ANS-141.03
AO-51 June Schedule

AMSAT News Service Bulletin 141.03
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.03

June 5 FM Repeater ON
PBBS & Telemetry ON

June 12 FM Repeater High Power ON
PBBS OFF

June 17 Kid's Day Special Event. Please observe the Kid's Day
Requirements allowing contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater ON - Uplink 145.920 mHz FM with 67 hz Tone
Downlink 435.300 mHz FM

QRP Repeater ON - Uplink 145.880 mHz FM, QRP Power Limits
Downlink 435.150 mHz FM

June 26 FM Repeater ON
PBBS & Telemetry ON

FM Repeater Freqencies: PBBS Digital Frequencies:
--- ---
Uplink 145.920 mHz FM 67 hz Tone Uplink 145.860 mHz FM 9k6 Digital
Downlink 435.300 mHz FM Downlink 435.150 mHz FM 9k6 Digital

The current operating mode, including active frequencies for AO-51, can
be viewed on-line on the front page at http://www.amsat.org

[ANS thanks Mike, KE4AZN, Echo Command Station for the above information]

/EX

SB SAT @ AMSAT $ANS-141.04
Colloquium and Symposium Opportunities

AMSAT News Service Bulletin 141.04
From AMSAT HQ SILVER SPRING, MD.

May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.04

AMSAT-UK has issued a call for papers and speakers for the 21st Amsat-UK Colloquium which will be held at Surrey University, Guildford, Surrey, U.K., from Friday 28 July to Sunday 30 July 2005.

Requests for more information as well as submissions should be sent to David Johnson, G4DPZ, via g4dpz@amsat.org. Also see: http://www.uk.amsat.org/Colloquium/default.php

AMSAT-NA invites speakers to submit and present papers dealing with the science of Amateur Radio Satellites and associated technologies for the AMSAT 2006 Space Symposium. The Symposium will be held 5 October to 11 October at the Crowne Plaza Hotel in Foster City, California, approximately 10km south of San Francisco International Airport.

Since the 2005 Symposium was cancelled due to hurricane damage caused by hurricanes Katrina and Rita, speakers originally scheduled for the 2005 Symposium are invited to re-submit papers for the 2006 Symposium.

For more information please refer to: http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

[ANS thanks the Colloquium and Symposium Committees for the above information]

/EX

SB SAT @ AMSAT $ANS-141.05
Latest Version of PREDICT Software Available

AMSAT News Service Bulletin 141.05
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.05

John, KD2BD, author of PREDICT, an Open Source satellite tracking and orbital prediction program for the Linux/Unix operating system, says the latest versionhas been released and is currently available through the AMSAT-NA ftp/web site at:
ftp://ftp.amsat.org/amsat/software/Linux/predict-2.2.3.tar.gz
and: http://www.amsat.org/amsat-new/tools/software.php

Further information on PREDICT software is available at: http://www.qsl.net/kd2bd/predict.html

[ANS thanks John, KD2BD for the above information]

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SB SAT @ AMSAT $ANS-141.06
Reminder: AMSAT-NA Board of Directors Nomination Deadline

AMSAT News Service Bulletin 141.06
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.06

It is time to submit nominations for the upcoming open seats on the AMSAT-NA Board of Directors. A nomination requires either one Member Society or five current individual members to noninate an AMSAT member for the position. A director serves for a period of two years. Three directors' terms expire this year: Tom Clark, K3IO, Lou McFadin, W5DID, and Paul Shuch, N6TX. Written nominations must be received at the AMSAT office no later than 12 June 2006.

Nominations MUST be in writing and mailed to:
AMSAT
850 Sligo Ave #600
Silver Spring, MD 20901

[ANS thanks the AMSAT Journal for the above information]

/EX

SB SAT @ AMSAT $ANS-141.07
ARISS Status May 15, 2006

AMSAT News Service Bulletin 141.07
From AMSAT HQ SILVER SPRING, MD.
May 21, 2006
To All RADIO AMATEURS
BID: $ANS-141.07

1. Yoneda-nishi Elementary School Contact Successful
On Thursday, May 11, students from Yoneda-nishi Elementary School in Takasago, Hyogo prefecture, Japan spoke with astronaut Jeff Williams, KD5TVQ. Thirteen students were able to ask 19 questions before the ISS went over the horizon. Over two hundred students and parents witnessed the event. The Earth to space contact was covered by one television station and a newspaper.

2. Upcoming School Contact
Virgilio Primary School in Mestre, Venice, Italy is planning to have a contact on Monday, May 22 at 13:28 UTC. This event will be integrated into the school's geography and science curriculum, using poster drawing and letter writing in the lesson plans. Media invited to cover the event includes RAI national television, TG3 Regional, Televenezia and the Gazzettino and La Nuova Venezia newspapers.

3. ARISS Annual Report 2005 on AMSAT Website
The ARISS Annual Report 2005 is now available on the AMSAT website. See: http://www.amsat.org/amsat/ariss/Papers/Annual%20Reports/

4. ARRL Article Covers Space Day Event
On May 9, ARRL ran a web story on Udvar-Hazy's Space Day activities.

"AMSAT and ARISS staff museum Space Day 2006 exhibit" may be found at:
http://www.arrl.org/

5. Student Ham Meets Astronauts
Pearl Mahar, KD7TAS, of Peoria, Arizona, was given the opportunity to meet astronauts Andrew Thomas, KD5CHF, Charles Camarda, KC5ZSY, and James Kelly, KC5ZSW at the area's Challenger Center. She was part of a team of five students who designed a space station in the Honeywell Fiesta Bowl Aerospace Challenge.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

161. WSR-142 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-05-24 13:18:49 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <Z2Zcg.4431$921.1619@newsread4.news.pas.earthlink.net>
Source record: 1617

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-142.S1
WSR 142 Part 1 05/22/2006

AMSAT NEWS SERVICE BULLETIN 142.S1 FROM AMSAT HQ
SILVER SPRING, MD, May 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-142.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): FM Repeaters, V/U and QRP
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05222006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset

the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)

145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR

USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[05222006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-142.S2
WSR 142 Part 2 05/22/2006

AMSAT NEWS SERVICE BULLETIN 142.S2 FROM AMSAT HQ
SILVER SPRING, MD, May 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-142.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[05222006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has
been
activated. Bob reports that you need to connect to pcsat2 and then you
can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it
work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without
any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks
info]
[05082006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeaters, V/U and QRP
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)

a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05222006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

This from James DeYoung on April 28,2006:
UO-11 VHF 1200-bps AFSK telemetry beacon 145.826 very loud this
afternoon.
Monitored from FM18 using Arrow antenna and 910H from 22:51 to 23:54 UTC
28
April 2006 during near zenith pas

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-142.S3
WSR 142 Part 3 05/22/2006

AMSAT NEWS SERVICE BULLETIN 142.S3 FROM AMSAT HQ
SILVER SPRING, MD, May 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-142.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====

LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]

=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-142.S4
WSR 142 Part 4 05/22/2006

AMSAT NEWS SERVICE BULLETIN 142.S4 FROM AMSAT HQ
SILVER SPRING, MD, May 22, 2006
TO ALL RADIO AMATEURS
BID: $ANS-142.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

162. femmes mures en manque de sexe cherchent hommes

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 18:25:00 UTC
From: christiane@dunet.web
Message-ID: <4475f67b$0$23264$8fcfb975@news.wanadoo.fr>
Source record: 1618
Body handling: HTML body converted to readable text

[No readable article body recovered]

163. jeunes filles 18 ans tres chaudes

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 18:25:02 UTC
From: coralie@canaweb.ca
Message-ID: <4475f67d$0$3191$8fcfb975@news.wanadoo.fr>
Source record: 1619
Body handling: HTML body converted to readable text

[No readable article body recovered]

164. jeune fille 18 ans innocente

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 18:25:02 UTC
From: cinthia@eurasia.net
Message-ID: <4475f67d$0$18343$8fcfb975@news.wanadoo.fr>
Source record: 1620
Body handling: HTML body converted to readable text

[No readable article body recovered]

165. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 21:04:30 UTC
From: "J S Austin, W8JSA" <w8jsa@w8jsa.org>
Message-ID: <zZodg.50808$9c6.47@dukeread11>
Source record: 1621

James wrote:
> Thanks Greg !! I welcome other comments !!
>
>
> 73 de Jim K4PYT
>
>
I've used the VHF/UHF M2 Eggbeaters for a long time now. Very pleased
with the performance.

--
J S AUSTIN, W8JSA
AMATEUR RADIO STATION W8JSA
CHESAPEAKE VA 23320
N36° 45' 43" W076° 15' 01"
FM16us

166. AO-51 [et al] on Field Day

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 21:06:36 UTC
From: "J S Austin, W8JSA" <w8jsa@w8jsa.org>
Message-ID: <w%odg.50809$9c6.6638@dukeread11>
Source record: 1622

Looking for other stations to come up on AO-51 [and others if possible]
for Field Day.

--
J S AUSTIN, W8JSA
AMATEUR RADIO STATION W8JSA
CHESAPEAKE VA 23320
N36° 45' 43" W076° 15' 01"
FM16us

167. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-05-25 23:38:40 UTC
From: Slow Code <email@no.spam>
Message-ID: <4erdg.5218$921.626@newsread4.news.pas.earthlink.net>
Source record: 1623

"J S Austin, W8JSA" <w8jsa@w8jsa.org> wrote in
news:zZodg.50808$9c6.47@dukeread11:

> James wrote:
>> Thanks Greg !! I welcome other comments !!
>>
>>
>> 73 de Jim K4PYT
>>
>>
> I've used the VHF/UHF M2 Eggbeaters for a long time now. Very pleased
> with the performance.

Do you use the radial reflector kits underneath yours?

sc

168. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-05-26 16:43:33 UTC
From: "J S Austin, W8JSA" <w8jsa@w8jsa.org>
Message-ID: <VeGdg.50843$9c6.50834@dukeread11>
Source record: 1624

Slow Code wrote:
> "J S Austin, W8JSA" <w8jsa@w8jsa.org> wrote in
> news:zZodg.50808$9c6.47@dukeread11:
>
>
>>James wrote:
>>
>>>Thanks Greg !! I welcome other comments !!
>>>
>>>
>>>73 de Jim K4PYT
>>>
>>>
>>
>>I've used the VHF/UHF M2 Eggbeaters for a long time now. Very pleased
>>with the performance.
>
>
>
>
> Do you use the radial reflector kits underneath yours?
>
> sc

Yes.
--
J S AUSTIN, W8JSA
AMATEUR RADIO STATION W8JSA
CHESAPEAKE VA 23320
N36° 45' 43” W076° 15' 01”
FM16us

169. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-05-27 00:20:23 UTC
From: Slow Code <email@no.spam>
Message-ID: <bXMdg.10$eB3.5@newsread3.news.pas.earthlink.net>
Source record: 1625

"J S Austin, W8JSA" <w8jsa@w8jsa.org> wrote in
news:VeGdg.50843$9c6.50834@dukeread11:

> Slow Code wrote:
>> "J S Austin, W8JSA" <w8jsa@w8jsa.org> wrote in
>> news:zZodg.50808$9c6.47@dukeread11:
>>
>>
>>>James wrote:
>>>
>>>>Thanks Greg !! I welcome other comments !!
>>>>
>>>>
>>>>73 de Jim K4PYT
>>>>
>>>>
>>>
>>>I've used the VHF/UHF M2 Eggbeaters for a long time now. Very pleased
>>>with the performance.
>>
>>
>>
>>
>> Do you use the radial reflector kits underneath yours?
>>
>> sc
>
> Yes.

I've always used the radial kits too. Lower elevation passes I switch to
a vertical co-linear ground plane, and use the eggbeaters for more
overhead passes. I may experiment with it without the radials to see what
the difference is overall.

When it's really an important pass, I push the button on the computer and
have the auto-tracker steer the crossed yagi's. Never miss a thing then.

sc

170. Re: Eggbeater for ISS contacts?

Newsgroup: rec.radio.amateur.space
Date: 2006-05-29 14:19:01 UTC
From: chuck <chuck_brown@cbfamily.net>
Message-ID: <447B02D4.DB9FDCE6@cbfamily.net>
Source record: 1626

While not the eggbeater, take a look at the
turnstile for sat work.

http://www.cebik.com/vhf/ms2.html

171. ANS-148 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-05-30 14:35:27 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <PKYeg.6911$921.3006@newsread4.news.pas.earthlink.net>
Source record: 1627

AMSAT NEWS SERVICE
ANS-148

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* AMSAT Runs SuitSat "Chicken Little" Contest
* ARISS Dayton Presentation Available Online
* ARISS Status May 22, 2006
* Dayton Pictures from Tom Clark, K3IO
* North Scotland Grid Square Opportunity
* ISS Crew Photographs Aleutian Islands Volcano Activity

SB SAT @ AMSAT $ANS-148.01
AMSAT Runs SuitSat "Chicken Little" Contest

AMSAT News Service Bulletin 148.01
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS
BID: $ANS-148.01

AMSAT is holding a "Chicken Little" contest to see who can guess when SuitSat-1 will re-enter the earth's atmosphere. There are three entry categories: K-8, 9-12 and adult. Certificates will be provided to the winners of each group. To enter the contest, go to:
http://www.amsat.org/amsat-new/ariss/suitsatContest.php

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-148.02
ARISS Dayton Presentation Available Online

AMSAT News Service Bulletin 148.02
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS

BID: $ANS-148.02

Those that missed Dayton and would like to see what the ARISS team presented at the forum are welcome to view the charts online. In this set of charts is a series of photos of the deployment. Go through these quickly and you can clearly see the rotation of the satellite. See:
http://www.amsat.org/amsat/ariss/Presentations/Dayton%202006.pdf

Note: Those of you who have a dial-up connection, this is a 10 megabyte file.

[ANS thanks Frank, KA3HDO for the above information]

/EX

SB SAT @ AMSAT $ANS-148.03
ARISS Status May 22, 2006

AMSAT News Service Bulletin 148.03
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS
BID: $ANS-148.03

1. Upcoming School Contacts

Salt Brook Elementary School in New Providence, New Jersey has been scheduled for an ARISS contact on Wednesday, May 31, at 15:07 UTC. Students will design posters, ID badges, and tee shirts in preparation for the contact and will also design a web page to include space experiments, ham radio communications, ISS tracking and space links. Local high school students, who have obtained Amateur Radio licenses, will be trained to act as mentors for the elementary school students, and to be Control Operators during the contact. Coverage of classroom activities by the local media is planned.

2. ARRL Article on Yoneda-nishi Contact

ARRL's article, "ISS Astronaut Fields Questions from Elementary Schoolers in Japan" covers the ARISS Yoneda-nishi contact on May 11. To view the story, see:
http://www.arrl.org/news/stories/2006/05/17/3/?nc=1

3. AMSAT-DL Receives Voyager 1 Signal

On March 31, Amateur Radio operators from AMSAT Germany tracked and received data from Voyager 1 using the 20m antenna at Bochum at a distance of 14.7 billion km. Its data was checked and verified against data from the Deep Space Network station. See:
http://www.arrl.org/news/stories/2006/04/25/2/
and
http://www.amsatdl.org/cms/index.php?option=com_content&task=view&id=62&Itemid=97

4. Dayton Hamvention 2006

The Dayton Hamvention, 2006 was held this past weekend, Friday, May 19 through Sunday, May 21 in Dayton, Ohio. ARISS Chairman Frank Bauer gave a presentation at the AMSAT Forum entitled, "ARISS and SuitSat: Current Status and Future Opportunities." To view the presentation, go to: http://www.amsat.org/amsat/ariss/Presentations/Dayton%202006.pdf

ARISS member Lou McFadin, W5DID, also gave a talk on SuitSat-1 and 2 at the AMSAT banquet on Friday evening. Approximately 25,000 amateur radio operators attended the Hamvention.

5. Popular Science Article on SuitSat

A 2-page photo of SuitSat appears in the June issue of Popular Science. A short write up, "Tossed in Space," accompanies the photograph.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-148.04
Dayton Pictures from Tom Clark, K3IO

AMSAT News Service Bulletin 148.04
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS
BID: $ANS-148.04

Tom Clark, K3IO, has posted selected pictures from Dayton weekend in his AMSAT photo album.

Among the picture set you will see AMSAT's newest member (#36161), 11 year-old "Fred," the Dayton Amateur Radio Association presenting a $5000 check to Rick Hambly, W2GPS, and perhaps best of all you will see Russ (WB4PGT/LU1NR) modelling SuitSat-2 and examining the new 2.6 kilofarad, 6+ kilojoule flux-gate capacitor power source. See: http://www.pbase.com/tomcat/amsat

[ANS thanks Tom, K3IO for the above information]

/EX

SB SAT @ AMSAT $ANS-148.05
North Scotland Grid Square Opportunity

AMSAT News Service Bulletin 148.05
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS
BID: $ANS-148.05

Anyone looking for new grid squares should listen for Paul, 2M1EUB/P, who will be operating portable from different locations in North Scotland for seven days beginning May 27, 2006. Paul will be renting a cottage and doing

some backpacking (Yes, walking... said Paul!) so there could be an interesting signal at times. Paul hopes to work all satellites and modes and will also be doing some HF work. He requests that qsl's be sent via his home call.

[ANS thanks Paul, 2E1EUB for the above information]

/EX

SB SAT @ AMSAT $ANS-148.06
ISS Crew Photographs Aleutian Islands Volcano Activity

AMSAT News Service Bulletin 148.06
From AMSAT HQ SILVER SPRING, MD.
May 28, 2006
To All RADIO AMATEURS
BID: $ANS-148.06

At 3:00 p.m. Alaska Daylight Time on May 23, 2006, Flight Engineer Jeff Williams of International Space Station (ISS) Expedition 13 contacted the Alaska Volcano Observatory (AVO) to report that the Cleveland Volcano had produced a plume of ash. Shortly after the activity began, he took a spectacular photograph of the volcano and plume. Astronaut photograph ISS013-E-24184 was acquired May 23, 2006, with a Kodak 760C digital camera using an 800 mm lens, and is provided by the ISS Crew Earth Observations experiment and the Image Science & Analysis Group, Johnson Space Center. See:
http://earthobservatory.nasa.gov/Newsroom/NewImages/images.php3?img_id=17285

The International Space Station Program supports the laboratory to help astronauts take pictures of Earth that will be of the greatest value to scientists and the public, and to make those images freely available on the Internet. Additional images taken by astronauts and cosmonauts can be viewed at the NASA/JSC Gateway to Astronaut Photography of Earth. See:
http://eol.jsc.nasa.gov/

[ANS thanks NASA's Earth Observatory for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG

172. WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-05-31 21:32:56 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <cYnfg.9952$y4.2096@newsread2.news.pas.earthlink.net>
Source record: 1628

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-149.S1
WSR 149 Part 1 05/29/2006

AMSAT NEWS SERVICE BULLETIN 142.S1 FROM AMSAT HQ
SILVER SPRING, MD, May 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-149.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Curent Mode(s): FM Repeaters, V/U and QRP
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05222006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset the 10
minute timer.
[04172006]
=====

FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz

435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line is
NOT translated from Russian and posted.
[05222006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-149.S2
WSR 149 Part 2 05/29/2006

AMSAT NEWS SERVICE BULLETIN 149.S2 FROM AMSAT HQ
SILVER SPRING, MD, May 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-149.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[05222006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program: http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has been
activated. Bob reports that you need to connect to pcsat2 and then you can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without
any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks info]
[05082006]

=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeaters, V/U and QRP
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

May 22
FM Repeater, V/U
a.. Uplink: 145.920 mhz FM, 67 hz PL Tone
b.. Downlink: 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
a.. Uplink: 145.860 mhz FM, 9k6 PBP Digital
b.. Downlink: 435.150 mhz FM, 9k6 PBP Digital

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[05222006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program: http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:

http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-149.S3
WSR 149 Part 3 05/29/2006

AMSAT NEWS SERVICE BULLETIN 149.S3 FROM AMSAT HQ
SILVER SPRING, MD, May 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-149.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2

Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:

http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz

Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]

=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1

Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire, call-
sign KE6QMD, as per the user service agreement located at the following URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1

Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial land and weather imaging payloads offers FM and FSK Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-149.S4
WSR 149 Part 4 05/29/2006

AMSAT NEWS SERVICE BULLETIN 149.S4 FROM AMSAT HQ
SILVER SPRING, MD, May 29, 2006
TO ALL RADIO AMATEURS
BID: $ANS-149.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

173. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-04 03:13:33 UTC
From: jawod <jawod@fuse.net>
Message-ID: <44824FDD.70001@fuse.net>
Source record: 1629

Hi,

Just found this group. Newly acquired license 2 months ago. I haven't done ham radio in about 30 years (!)

I recently came across a web page about an amateur satellite of some sort destined for MARS (as in the planet). This confused me. Given the tremendous cost of a mission to Mars, how would an amateur radio payload be justified? More importantly, what would be it's mission?

Have I been misled? Is there such a plan...or interest?

John
AB8WH
>
>

174. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-04 05:34:19 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <448270be$0$2028$ba620dc5@text.nova.planet.nl>
Source record: 1630

jawod wrote:
> Hi,> Have I been misled?

No doubt there. It's a conspiracy!!

Wait a sec!

Google: amsat + mars

Could that result be real?

http://www.amsat-dl.org/p5a/p5a-to-mars.pdf

Also check out:
http://www.amsat.org

New dimensions have been added to amateur radio while you've been away!
Welcome back and have fun!

Roland

175. Q. about VHF downlink

Newsgroup: rec.radio.amateur.space
Date: 2006-06-04 09:22:52 UTC
From: Tim H <ka8ddz@hotmail.com>
Message-ID: <wsCdncMW_eV4Ox_ZnZ2dneKdnZydnZ2d@comcast.com>
Source record: 1631

Have not played space radio since RS-10 with my Ramsey 2m transmitter and a 10m receiver so help me get back on board.

ISS packet was very strong here this morning in EN82, into the HT and duck, since the repeater is on the same freq am I ok to transmit on 435.8 if I am hearing packet activity?
Is it all modes all the time or is it in FM repeater mode during certain schedules. I can't find any details on when modes are on or off.

Thanks,

Tim KA8DDZ

176. Re: Q. about VHF downlink

Newsgroup: rec.radio.amateur.space
Date: 2006-06-04 22:24:09 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <d4Jgg.9082$921.7949@newsread4.news.pas.earthlink.net>
Source record: 1632

"Tim H" <ka8ddz@hotmail.com> wrote in
news:wsCdncMW_eV4Ox_ZnZ2dneKdnZydnZ2d@comcast.com:

> Have not played space radio since RS-10 with my Ramsey 2m transmitter
> and a 10m receiver so help me get back on board.
>
> ISS packet was very strong here this morning in EN82, into the HT and
> duck, since the repeater is on the same freq am I ok to transmit on
> 435.8 if I am hearing packet activity?
> Is it all modes all the time or is it in FM repeater mode during certain
> schedules. I can't find any details on when modes are on or off.
>
> Thanks,
>
> Tim KA8DDZ

www.amsat.org

Click on ariss.

sc

177. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-04 23:29:31 UTC
From: jawod <jawod@fuse.net>
Message-ID: <44836CDB.1090008@fuse.net>
Source record: 1633

Roland wrote:
> jawod wrote:
>
>> Hi,> Have I been misled?
>
>
>
> No doubt there. It's a conspiracy!!
>
> Wait a sec!
>
> Google: amsat + mars
>
> Could that result be real?
>
> http://www.amsat-dl.org/p5a/p5a-to-mars.pdf
>
> Also check out:
> http://www.amsat.org
>
> New dimensions have been added to amateur radio while you've been away!
> Welcome back and have fun!
>
> Roland
Roland,

Thanks for the leads. You know, I did google a few times over the last few weeks.

I guess I was thinking "old school" in that I was imagining individual hams accessing the satellite. It looks more like a few large parabolic antennae around the world linked to the internet.

I'd like to see a 20 meter dish pass local codes and development restrictions.

We need a new kind of residential development: SETI Hills.

John

178. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-06 20:02:11 UTC
From: P2PDude <fileSharing@is.good>
Message-ID: <Xns97DA849BF6C21FileSharingisgood@138.23.226.125>
Source record: 1634

I have to wonder if there ever were a mission to launch an amateur satelite
to Mars, what massive kinds of dishes would be required to both receive
it's signal and uplink a signal to it?
and I wonder if we'd be able to hear a satelite from Mars on any HF or
vhf/uhf frequency? Interesting thought.
73 de KD6CAE

179. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-06 21:03:18 UTC
From: Roland <roland_lemmersZPEMM@planet.nl>
Message-ID: <4485ed76$0$2014$ba620dc5@text.nova.planet.nl>
Source record: 1635

P2PDude wrote:
> I have to wonder if there ever were a mission to launch an amateur satelite
> to Mars, what massive kinds of dishes would be required to both receive
> it's signal and uplink a signal to it?
> and I wonder if we'd be able to hear a satelite from Mars on any HF or
> vhf/uhf frequency? Interesting thought.
> 73 de KD6CAE

http://www.southgatearc.org/news/april2006/voyager1.htm

180. Radio Meteor Obs. Bull. May 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-06-06 21:25:22 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <5lsb82h8pfrfugjs2qonv4tjocipoehhsp@4ax.com>
Source record: 1636
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 154 of May 2006 (80 K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0605.txt

More information and the visual presentation of the hourly forward scatter
counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

181. Re: WSR-149 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-08 00:11:59 UTC
From: jawod <jawod@fuse.net>
Message-ID: <44876B4F.1060206@fuse.net>
Source record: 1637

>
>
> http://www.southgatearc.org/news/april2006/voyager1.htm

Interesting. The article mentions a 20M antenna. Somehow I don't think we're talking dipole. Perhaps I could camouflage a 20 meter dish into a wading pool when the neighbors come over.

182. ANS-155 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-06-08 15:40:50 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <6yXhg.3154$o4.1038@newsread2.news.pas.earthlink.net>
Source record: 1638

AMSAT NEWS SERVICE
ANS-155

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

The Call for Papers for the 2006 Symposium can found at:
http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

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In this edition:

* Mass Amateur Radio Satellite Launch Planned for June 28
* Two Special Events on AO-51 in June
* US Naval Academy Satellite Lab Student Demos Coming in June
* AO-27 In Eclipse Season
* There's Still Time to Enter the SuitSat Chicken Little Contest
* Deadline Approaches for AMSAT-NA Board of Directors Nominations
* Delfi-C3 CubeSat Team Provides Update on Their Next Satellite
* ARISS Status May 29, 2006
* SatPC32 Version 12.5 Released

SB SAT @ AMSAT $ANS-155.01
Mass Amateur Radio Satellite Launch Planned for June 28

AMSAT News Service Bulletin 155.01
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.01

This week Trevor, M5AKA published information about the thirteen Amateur Radio Satellites will be launched on June 28, 2006 on a DNEPR-1LV rocket from the Kazakstan Baikonur Cosmodrome in what will be the largest ever deployment of Amateur Radio Satellites.

A fourteenth satellite will operate on commercial frequencies.

The satellites will be put into a 500 by 566 km orbit with an inclination of 97 degrees. Each satellite is a 10cm cube weighing just 1kg into which is packed the battery, transmitter and the various experiments.

Twelve of the satellites have downlinks in the Amateur Radio Satellite Service allocation between 435 and 438 MHz and one will operate on 145.950 MHz so there will be lots of signals to listen out for after launch. Frequency coordination was done by the International Amateur Radio Union (IARU). Hans, ZS6AKV serves as the IARU Amateur Satellite Advisor and leads a panel of experts which assists in frequency coordination and provide advice to satellite builders. More information about the IARU Satellite Frequency Coordination process can be found on-line at http://www.iaru.org/satellite/.

Further information on the Dnepr Launch 1 can be seen at:
http://littonlab.atl.calpoly.edu/

One of the CubeSats to be launched is known as SEEDS. Built by students at the Nihon-University it contains a CW beacon, Digi-Talker and other experiments.

After launch SEEDS will operate a CW beacon on 437.485 MHz using the callsign JQ1YGU. The Digi-Talker experiment will be activated later. The builders say they look forward to receiving reports and data from the satellite from Amateur Radio operators and SWL's all over the world.

Ralph, W&#65533;RPK, maintains a web page with up-to-date CubeSat status at:
http://showcase.netins.net/web/wallio/CubeSat.htm

The 28 June CubeSat launch manifest, summarized below, is from Ralph's web page. Please refer to the web pages for detailed information.

Satellite: ICEcube1 - Cornell University (USA)
Callsign: W2CXM
Downlink: 437.305 MHz (600mW)
Format: 9600bps FM FSK AX.25

More Info: http://www.mae.cornell.edu/cubesat/

Satellite: ICEcube2 - Cornell University (USA)
Callsign: N2VR
Downlink: 437.425 MHz (0.6W)
Format: 9600bps FM FSK AX.25

More Info: http://www.mae.cornell.edu/cubesat/

Satellite: ION - University of Illinois (USA)
Callsign: TBA
Downlink: 437.505 MHz (2W)

Format: 1200bps FM AFSK AX.25 ~5min Beacon Interval

More Info: http://courses.ece.uiuc.edu/cubesat/
http://www.interave.net/cubesat/Formal_Documentation/
ION_Overview.pdf (careful with the line wrap)

Satellite: PolySat CP1 - California Polytechnic State University (USA)
Callsign: N6CP
Downlink: 436.845 MHz (500mW)
Format: 15bps DTMF & CW (both FM)

More Info: http://polysat.calpoly.edu/

Satellite: PolySat CP2 - California Polytechnic State University (USA)
Callsign: Unknown
Downlink: 437.325 MHz (1W)
Format: 1200bps FM AFSK AX.25, CW beacon

More Info: http://polysat.calpoly.edu/

Satellite: AeroCube1 - The Aerospace Corporation
Callsign: Not Amateur Radio
Downlink: 902-928 MHz (2W)
Format: 9600bps GFSK

More Info: http://www.aero.org/

Satellite: HAUSAT-1 - Hankuk Aviation University (South Korea)
Callsign: D90HP
Downlink: 437.465 MHz (500mW)
Format: 1200bps FM AFSK AX.25, CW ID Beacon

More Info: http://134.75.55.85/new_version/english/hausat_1/index.php
Telemetry Information
http://134.75.55.85/new_version/english/hausat_1/
hau1_telemetry_info.php (careful with the line wrap)

Satellite: nCUBE-1 - The nCUBE Project (four universities - Norway)
Callsign: LA1CUB
Downlink: 437.305 MHz (1W EIRP)
Format: 9600bps GMSK AX.25, Digipeating possible
CW ID: "LA1CUB Ncube1 Norwegian Cubesat www.ncube.no"

More Info: http://www.ncube.no/

Satellite: SEEDS - Nihon University (Japan)
Callsign: JQ1YGU
Downlink: 437.485 MHz (450mW)

Format: Digitalker, 1200bps FM AFSK AX.25, CW (90mW)

More Info: http://cubesat.aero.cst.nihon-u.ac.jp/english/main_e.html
http://cubesat.aero.cst.nihon-u.ac.jp/english/operation_e.html
-----

Satellite: KUTESat Pathfinder - University of Kansas
Callsign: KC�RMW
Downlink: 437.385 MHz (500mW)
Format: 1200bps FM AFSK AX.25

More Info: http://www.engr.ku.edu/ae/kutesat.htm

Satellite: MEROPE - Montana State University (USA)
Callsign: K7MSU-01
Downlink: 145.980 MHz (500mW)
Format: 1200bps FM AFSK

More Info: http://www.ssel.montana.edu/merope/
http://www.ssel.montana.edu/merope/ham/

Satellite: RINCON - University of Arizona (USA)
Callsign: WA4CEW
Downlink: 436.870 MHz (400 mW) Main Transmitter
Format: 1200 bps AFSK AX.25
Downlink: 437.345 MHz (10 mW) Beacon Transmitter
Format: 1200 bps PSK AX.25

More Info: http://cubesat.arizona.edu/rincon_sat/
Cubesat II Operating System Owner's Manual
http://bach.as.arizona.edu/~cubesat/cubesat_manual/index.html
-----

Satellite: SACRED - University of Arizona (USA)
Callsign: WA4CEW
Downlink: 436.870 MHz (400mW)
Format: 1200bps FM AFSK AX.25

More Info: http://cubesat.arizona.edu/sacred_sat/

Satellite: Mea Huaka'i (Voyager) - University of Hawaii (USA)
Callsign: Unknown
Downlink: 437.405 MHz (500mW)
5.840 GHz (1mW)
Format: 1200bps FM AFSK AX.25

More Info: http://www-ee.eng.hawaii.edu/~cubesat/

[ANS thanks Trevor, M5AKA; Ralph, W�RPK; and the CubeSat teams
for the above information]

/EX

SB SAT @ AMSAT $ANS-155.02
Two Special Events on AO-51 in June

AMSAT News Service Bulletin 155.02
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.02

Mike, KE4AZN, Amsat VP-Operations, and Echo Command Station reminds AO-51 users of two special events on this satellite during June.

The first event will be Kid's Day on AO-51 on June 17, 2006. This event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids. During the Kid's Day event, please limit contacts to stations that are operating with kids at the microphone.

AO-51 will be configured in the following mode during Kid's Day. Please note we will use the normal AO-51 uplink frequency for the event with the PL tone will be turned ON.

Uplink: 145.920 mhz FM voice 67 Hz PL Tone
Downlink: 435.300 mhz FM voice
The digital transponder on 435.150 will be turned off.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL website for more Kids Day information.

Next, starting on June 19 AO-51 will be in the Field Day Configuration to give stations time to test their gear before the June 24-25 event.

FM Repeater ON - Uplink 145.920 mHz FM with 67 hz Tone
Downlink 435.300 mHz FM

QRP Repeater ON - Uplink 145.880 mHz FM, QRP Power Limits
Downlink 435.150 mHz FM

More details regarding the main repeater and the QRP repeater will be published prior to Field Day 2006.

[ANS thanks Mike, KE4AZN, Echo Command Station for the above information]

/EX

SB SAT @ AMSAT $ANS-155.03
US Naval Academy Satellite Lab Student Demos Coming in June

AMSAT News Service Bulletin 155.03
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS

BID: $ANS-155.03

Bob, WB4APR says he and his USNA Satellite Lab team will be doing satellite operating demonstrations every Monday, Tuesday, and Wednesday starting on June 5. Planned operating hours are between 0800 to 1200 and 1330 to 1530 EDT. These demos will be for hundreds of high school students who will be visiting the US Naval Academy during the first three weeks of June.

[ANS thanks Bob, WB4APR for the above information]

/EX

SB SAT @ AMSAT $ANS-155.04
AO-27 In Eclipse Season

AMSAT News Service Bulletin 155.04
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.04

The AO-27 Command Team reminds users who have been looking for this satellit that AO-27 is in its eclipse season. This means the batteries are dropping below the watchdog values and turning off the scheduler software.

The Command Team needs to reset it each time it happens. Everyone that has watched AO-27 go thru this period before should remember this procedure. This is not an indication that AO-27 is approaching end of life. It has been running this way for years. Please be patient until we get back into full sun.

AO-27 takes a bunch of work to keep flying. We are coming up on 14 years on orbit in September, well past what any of us expected when we launched it.

[ANS thanks the AO-27 Command Team for the above information]

/EX

SB SAT @ AMSAT $ANS-155.05
There's Still Time to Enter the SuitSat Chicken Little Contest

AMSAT News Service Bulletin 155.05
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.05

Frank, KA3HDO, who is the ARISS International Chairman and AMSAT's V.P. for Human Spaceflight Programs reminds everyone of the SuitSat "Chicken Little" contest to guess the date when SuitSat-1 will re-enter the atmosphere. There are three entry categories: Grades K-8, Grades

9-12 and adult. Certificates will be provided to winners of each group.
The last date to enter the contest is July 1.

For more information, please go to:
http://www.amsat.org/amsat-new/ariss/suitsatContest.php

The ARISS team thanks Emily Clarke, N1DID, for setting this up.

[ANS thanks Frank, KA3HDO for the above information]

/EX

SB SAT @ AMSAT $ANS-155.06
Deadline Approaches for AMSAT-NA Board of Directors Nominations

AMSAT News Service Bulletin 155.06
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.06

It is time to submit nominations for the upcoming open seats on the AMSAT-NA Board of Directors. A nomination requires either one Member Society or five current individual members to noninate an AMSAT member for the position. A director serves for a period of two years. Three directors' terms expire this year: Tom Clark, K3IO, Lou McFadin, W5DID, and Paul Shuch, N6TX. Written nominations must be received at the AMSAT office no later than 12 June 2006.

Nominations MUST be in writing and mailed to:
AMSAT
850 Sligo Ave #600
Silver Spring, MD 20901

[ANS thanks the AMSAT Journal for the above information]

/EX

SB SAT @ AMSAT $ANS-155.07
Delfi-C3 CubeSat Team Provides Update on Their Next Satellite

AMSAT News Service Bulletin 155.07
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.07

This week, Wouter Jan Ubbels, PE4WJ, the Delfi-C3 Project Manager Electronic Systems and Communications at the Delft University of Technology in The Netherlands sent information about the next satellite being designed at the University.

Delfi-C3 is based on a three-unit CubeSat. Its primary mission objective will be, besides being an educational one, a technology demonstration of three novel payloads. It will also include a

Mode U-V Amateur Radio linear transponder with 40kHz bandpass
running 400mW PEP.

Telemetry decoding software will be made available to amateur radio
operators and universities which will allow them to decode and
display near real time telemetry.

Delfi-C3 will have a 1200 Baud AX.25 BPSK downlink so they plan to
include the possibility of using the soundcard to decode the telemetry
instead of having the need for a separate hardware PSK modem. This
software is planned to allow for a data upload to the central Delfi-C3
ground station via the Internet for data processing.

The satellite will be in telemetry mode for the first three months of
the mission, after which it will be switched to transponder mode. At
present breadboards and prototype hardware are being produced. The
University aims for a launch in 2007.

The Delfi-C3 team is planning to attend the AMSAT-UK colloquium this
year where they will give a presentation on the progress of the project.
You can find more information on Delfi-C3 at their website:
http://www.delfic3.nl

/EX

SB SAT @ AMSAT $ANS-155.08
ARISS Status May 29, 2006

AMSAT News Service Bulletin 155.08
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.08

1. Virgilio Primary School Contact Successful
On Monday, May 22, fifteen students at the Virgilio Primary School
in Mestre, Venice, Italy spoke with astronaut Jeff Williams, KD5TVQ.
Fifteen questions were asked and answered as approximately 250 stud-
ents and teachers looked on. Several media outlets covered the event,
including television stations RAI 3 Veneto, Antenna 3, Televenezia,
and Canale 5, and Il Gazzettino and La Nuova Mestre/Venezia newspapers.

2. School Contacts
The ARISS contact with Salt Brook Elementary School in New Providence,
New Jersey was unsuccessful on Wednesday, May 31. To be rescheduled
at a later date.

Scarlett Middle School, a NASA Explorer School, in Ann Arbor, Michigan
has been scheduled for a contact on Tuesday, June 6. The event will be
publicized electronically. Media coverage may include the Ann Arbor News
and local radio stations: WUOM, WEMU and WAAM. Arrow Communications,
the local Amateur Radio club, will coordinate and promote the event
with the local newspaper and area television stations.

3. Crew Debrief Held
On May 24, the ARISS-U.S. team participated in a crew debrief with Bill McArthur, KC5ACR. Bill's overall impression of the ARISS program was positive.

4. ARISS Delegates Give Talks at Hamvention
ARISS Delegates Frank Bauer and Rosalie White participated in a joint presentation entitled, "ARISS and SuitSat: Current Status and Future Opportunities," at the Dayton Hamvention 2006 AMSAT Forum. Rosalie also gave two talks, "10 Million Hits Tracking an Empty Russian Space Suit" at the ARRL Expo 2006 in Dayton on May 19 and 20.

5. SuitSat Man - a Big Hit at the Dayton Hamvention!
Dressed in a spacesuit labeled "SuitSat-2", Russell Hummel, WB4PGT, a member of the Medical Informatics and Technology Applications Consortium (MITAC), a NASA partnership, made an appearance at the Dayton Hamvention 2006. His attire was well received by hams as they await the re-entry of SuitSat-1 into the earth's atmosphere, and created enthusiasm as the amateur radio community looks forward to SuitSat-2 development planning and potential launch in 2007. A photo can be seen on the ARRL blog: http://www.arrl.org/blog/Dayton%202006

6. McArthur Receives Worked All States Award
Several ARISS members attended Space Center Houston on Thursday, May 25 to hear Bill McArthur, KC5ACR, speak about his time aboard the ISS. ARISS Chairman and AMSAT V.P. for Human Spaceflight Programs, Frank Bauer, KA3HDO, took the opportunity to present a plaque to Bill for his honorary Worked All States award, having contacted amateur radio stations from all 50 states during his Expedition 12 mission.

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-155.09
SatPC32 Version 12.5 Released

AMSAT News Service Bulletin 155.09
From AMSAT HQ SILVER SPRING, MD.
June 4, 2006
To All RADIO AMATEURS
BID: $ANS-155.09

Erich Eichmann, DK1TB has released version 12.5 of his popular satellite tracking program SatPC32. The new version adds features and fixes bugs found in earlier versions. Erich has donated SatPC32 as a fund raiser for AMSAT-NA, AMSAT-DL, and AMSAT-UK.

The program can be downloaded from the author's web site:
http://www.dk1tb.de/downloadeng.htm

The downloaded version is a demo version that requires the user to enter their lat/lon every time they start the program. The program can be made fully functional by purchasing a registration code from the AMSAT

store: http://www.amsat-na.com/category.php?c=Software

Presently the only way to get version 12.5 is to download it until AMSAT can offer the version 12.5 on CD.

Existing SatPC32 users may upgrade to version 12.5 for free. Use your existing registration password. Contact, Wayne, W9AE via e-mail at [his-callsign at amsat dot org] if you purchased an earlier CD that did not come with a registration password.

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

183. WSR-156 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-08 15:40:52 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <8yXhg.3155$o4.639@newsread2.news.pas.earthlink.net>
Source record: 1639

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-156.S1
WSR 156 Part 1 06/05/2006

AMSAT NEWS SERVICE BULLETIN 156.S1 FROM AMSAT HQ
SILVER SPRING, MD, June 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-156.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06052006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:

http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[05222006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-156.S2
WSR 156 Part 2 06/05/2006

AMSAT NEWS SERVICE BULLETIN 156.S2 FROM AMSAT HQ
SILVER SPRING, MD, June 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-156.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[05222006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has
been
activated. Bob reports that you need to connect to pcsat2 and then you
can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it
work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without

any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks info]
[05082006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U
Digipeater - ON - 9K6, V/U

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 5
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

June 12
FM Repeater High Power
Downlink 435.300 mHz FM

Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06052006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/

[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-156.S3
WSR 156 Part 3 06/05/2006

AMSAT NEWS SERVICE BULLETIN 156.S3 FROM AMSAT HQ
SILVER SPRING, MD, June 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-156.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====

AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====

UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480

Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB

L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1

Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]

NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-156.S4
WSR 156 Part 4 06/05/2006

AMSAT NEWS SERVICE BULLETIN 156.S4 FROM AMSAT HQ
SILVER SPRING, MD, June 05, 2006
TO ALL RADIO AMATEURS
BID: $ANS-156.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)

* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

184. space shuttle video

Newsgroup: rec.radio.amateur.space
Date: 2006-06-14 14:31:28 UTC
From: jj <web@hotmail.com>
Message-ID: <727092919ld3bl90uvlmtu8mmjhhec7m0q@4ax.com>
Source record: 1640

could you please help,
i am looking for video clips of any sts missions in particular
launch/landing
yes i know there plenty on nsas site but i can only view them i want
clips that i can save and insert them into a slide show

185. WSR-163 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-14 16:12:11 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <vzWjg.5775$lp.1482@newsread3.news.pas.earthlink.net>
Source record: 1641

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-163.S1
WSR 163 Part 1 06/12/2006

AMSAT NEWS SERVICE BULLETIN 163.S1 FROM AMSAT HQ
SILVER SPRING, MD, June 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-163.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U HIGH POWER with tone
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital

Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06122006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS

Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7

Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasional Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-163.S2
WSR 163 Part 2 06/12/2006

AMSAT NEWS SERVICE BULLETIN 163.S2 FROM AMSAT HQ
SILVER SPRING, MD, June 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-163.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasinal Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR

USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[06122006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that the Xbaud - PSK31/CW repeater experiment has
been
activated. Bob reports that you need to connect to pcsat2 and then you
can
tranmit on 29.401 Mhz and listen on 435.275 for your signal. Reports are
that
you will probably need at least 100+ watts of power on 10m to make it
work.
Currently, Henk, PA3GUO, has tried with only a 100 watts and a dipole
without
any luck so far.
[ANS-WSR wishes to thank Bob, WB4APR, and Henk, PA3GUO, for this weeks
info]
[05082006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U HIGH POWER with Tone
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 12
FM Repeater High Power
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

June 17 Kid's Day Special Event
Please observe the Kid's Day Requirements allowing
contacts with Kid's Only.

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital

Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06122006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html

[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]

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/EX

SB SAT @ AMSAT W8ISS $ANS-163.S3
WSR 163 Part 3 06/12/2006

AMSAT NEWS SERVICE BULLETIN 163.S3 FROM AMSAT HQ
SILVER SPRING, MD, June 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-163.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]

=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11

BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A

Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]

=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-163.S4
WSR 163 Part 4 06/12/2006

AMSAT NEWS SERVICE BULLETIN 163.S4 FROM AMSAT HQ
SILVER SPRING, MD, June 12, 2006
TO ALL RADIO AMATEURS
BID: $ANS-163.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org

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/EX

186. ANS-162 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-06-14 16:14:18 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <uBWjg.5776$lp.1871@newsread3.news.pas.earthlink.net>
Source record: 1642

AMSAT NEWS SERVICE
ANS-162

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Plan for AO-51 Kid's Day on June 17
* ARISS In Crossband Repeater Mode for Field Day
* 21st Amsat-UK Colloquium-Second Call for Speakers
* 2006 ARRL/TAPR Digital Communications Conference-Call for Papers
* ARISS Status - 05 June 2006

SB SAT @ AMSAT $ANS-162.01
Plan for AO-51 Kid's Day on June 17

AMSAT News Service Bulletin 162.01
From AMSAT HQ SILVER SPRING, MD.
June 11, 2006
To All RADIO AMATEURS
BID: $ANS-162.01

Mike, KE4AZN, Amsat VP-Operations, and Echo Command Station says AMSAT-NA, the AO-51 Command Team, and the AO-51 Operations Team will sponsor Kid's Day on AO-51 on June 17, 2006.

The event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids.

During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note we will use the normal AO-51 uplink frequency for the event with

the PL tone will be turned ON.

Uplink: 145.920 mhz FM voice 67 Hz PL Tone
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during the event.

See http://www.arrl.org/FandES/ead/kd-rules.html on the ARRL website for more Kids Day information.

[ANS thanks Mike, KE4AZN, Echo Command Station for the above information]

/EX

SB SAT @ AMSAT $ANS-162.02
ARISS In Crossband Repeater Mode for Field Day

AMSAT News Service Bulletin 162.02
From AMSAT HQ SILVER SPRING, MD.
June 11, 2006
To All RADIO AMATEURS
BID: $ANS-162.02

The ARISS Phase 2 station will be configured in crossband repeater mode--437.800 MHz up/145.800 MHz down, but it's being requested that **ONLY** low-power (QRP) Earth stations access the system. The definition of a QRP station for this activation will be the same criteria that AMSAT is using for its QRP operations on ECHO (AO-51) for Field Day.

AO-51 ECHO/ISS LOW POWER STATION (QRP) REQUIREMENTS:
To attempt to keep this simple a low power station will be defined as a station which can deliver no more than 10 watts to a vertical or handheld antenna. Some examples of Low Power Stations:

1. Using an HT (barefoot, no amplifier) with 10 watts or less output into any type of vertical whip antenna (rubber duck, etc) or handheld beam antenna (arrow type).

2. Using a mobile station with 10 watts or less output into car mounted mobile whip antenna(s).

3. Using a base station at 10 watts output into a vertical Omni directional antenna on the side of the house.

Examples that are **NOT** Low Power Stations:
1. Any type of high gain beam antenna, KLM, M2, Cushcraft, etc.

2. Any station transmitting over 10 watts into any type of antenna.

The crossband repeater should be activated Thursday, June 22 (late in the crew day) so ground operators can have a chance to practice with their QRP setups and learn how best to deal with the Doppler on the uplink. It will be deactivated on Monday as required for the docking of

the Progress cargo supply ship.

If Jeff Williams (KD5TVQ) and/or Pavel Vinogradov (RV3BS) do get a chance to talk on the radio, they will be using the crossband repeater mode and will be giving "NA1SS, 1 Alpha, ISS" or "RS0ISS, 1Alpha, ISS" respectively.

REMINDER - Contacts through the ISS crossband repeater count as a satellite contact for Field Day bonus points, but contacts with the crew do not count for Field Day satellite bonus points.

[ANS thanks Ken, N5VHO, for the above information]

/EX

SB SAT @ AMSAT $ANS-162.03
21st Amsat-UK Colloquium-Second Call for Speakers

AMSAT News Service Bulletin 162.03
From AMSAT HQ SILVER SPRING, MD.
June 11, 2006
To All RADIO AMATEURS
BID: $ANS-162.03

This is the second call for speakers for the 21st Amsat-UK Colloquium, which will be held at Surrey University, Guildford, Surrey, U.K., from Friday 28 July to Sunday 30 July 2006.

Amsat-UK invite speakers, about amateur radio space and associated activities, for this event.

Offers of talks should be submitted as soon as possible. Submissions should be sent *ONLY* to David Johnson, G4DPZ, via the following routes:

Internet e-mail: g4dpz@amsat.org
SnailMail: QTHR from http://www.qrz.com

AMSAT-UK also invite anyone with requests for Program Topics to submit them as soon as possible to G4DPZ. Likewise if anyone knows of a good speaker, please send contact and other information to G4DPZ.

Additionally, Amsat-UK will be running sessions specifically for Beginners to amateur satellite operating on the Friday; volunteers are wanted to speak at these sessions.

For details of the Colloquium, please visit:

http://www.uk.amsat.org/Colloquium

You can also book you place at the colloquium on the web site.

[ANS thanks Dave, G4DPZ, for the above information]

/EX

SB SAT @ AMSAT $ANS-162.04
2006 ARRL/TAPR Digital Communications Conference-Call for Papers

AMSAT News Service Bulletin 162.04
From AMSAT HQ SILVER SPRING, MD.
June 11, 2006
To All RADIO AMATEURS
BID: $ANS-162.04

Technical papers are solicited for presentation at the 25th Annual ARRL and TAPR Digital Communications Conference to be held September 15-17, 2006 in Tucson, Arizona. These papers will also be published in the Conference Proceedings (you do NOT need to attend the conference to have your paper included in the Proceedings). The submission deadline is July 31, 2006. Please send papers to:

Maty Weinberg
ARRL
225 Main St
Newington, CT 06111

or you can make your submission via e-mail to: maty@arrl.org

Papers will be published exactly as submitted and authors will retain all rights.

[ANS thanks Steve, WB8IMY, for the above information]

/EX

SB SAT @ AMSAT $ANS-162.05
ARISS Status - 05 June 2006

AMSAT News Service Bulletin 162.05
From AMSAT HQ SILVER SPRING, MD.
June 11, 2006
To All RADIO AMATEURS
BID: $ANS-162.05

1. Salt Brook Elementary School Contact - Rescheduled

Salt Brook Elementary School in New Providence, New Jersey was scheduled for an ARISS contact on Wednesday, May 31. The school experienced technical difficulties and the contact did not take place. The rescheduled contact for Monday, June 5 at 13:53 UTC was successful.

2. ARRL Article on Virgilio Contact

ARRL ran a web story about the Virgilio Primary School contact in Mestre, Italy.
To view "Italian Primary Schoolers Get Front Row Seat to Space," go to:
http://www.arrl.org/news/stories/2006/05/31/100/?nc=1

3. ARRL Covers Award Ceremony

ARRL ran an article covering the award ceremony held at Space Center Houston where Bill McArthur, KC5ACR, received his Worked All States award. "ISS Astronaut Honored for Working all States, Inspiring Others from Space" may be found at:
http://www.arrl.org/news/stories/2006/06/01/103/?nc=1

4. ARISS Receives Group Achievement Award

In a ceremony held at Johnson Space Center, the Amateur Radio on the International Space Station team was presented with a JSC Group Achievement Award for the support provided during the Expedition 12 mission, which resulted in a record number of ARISS contacts performed. ISS Ham Payload Integration Manager, Kenneth Ransom, N5VHO, accepted the award on behalf of the team.

5. Expedition 13 Invited to Participate in Field Day 2006

Expedition 13 crew members have been invited to participate in ARRL's Field Day 2006 to be held over the June 24-25 weekend. Passes over the U.S. may not be ideal for contacting the ISS, but it has been suggested to place the radio in crossband repeat mode and make it available for the QRP (low-power operating) community as defined by AMSAT guidelines.

6. NASA Features ARISS Contacts

NASA ran a story covering Bill McArthur's numerous ARISS contacts during Expedition 12, the support he received from the ARISS team and especially from ISS Ham Project Engineer Kenneth Ransom, N5VHO. The article, entitled, "Hamming It Up: Space to Kids Radio," may be found at:
http://www.nasa.gov/mission_pages/station/expeditions/expedition12/exp12_ham_radio.html

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

187. Re: space shuttle video

Newsgroup: rec.radio.amateur.space
Date: 2006-06-14 16:24:21 UTC
From: "J S Austin, W8JSA" <w8jsa@w8jsa.org>
Message-ID: <VKWjg.55436$9c6.47906@dukeread11>
Source record: 1643

```
jj wrote:
> could you please help,
> i am looking for video clips of any sts missions in particular
> launch/landing
> yes i know there plenty on nsas site but i can only view them i want
> clips that i can save and insert them into a slide show

Try CNN or MSNBC.

--
J S AUSTIN, W8JSA
AMATEUR RADIO STATION W8JSA
CHESAPEAKE VA 23320
N36°45'43” W076°15'01”
FM16us

http://w8jsa.org/radio.html
```

188. Re: space shuttle video

Newsgroup: rec.radio.amateur.space
Date: 2006-06-14 23:25:58 UTC
From: Radio Buff <my.mail@no.spam>
Message-ID: <aW0kg.5844$lf4.5050@newsread1.news.pas.earthlink.net>
Source record: 1644

"J S Austin, W8JSA" <w8jsa@w8jsa.org> wrote in
news:VKWjg.55436$9c6.47906@dukeread11:

> jj wrote:
>> could you please help,
>> i am looking for video clips of any sts missions in particular
>> launch/landing
>> yes i know there plenty on nsas site but i can only view them i want
>> clips that i can save and insert them into a slide show
>
> Try CNN or MSNBC.

Ask at sci.space.shuttle, A lot of people there have websites you can down
load clips and photo from.

Also, if you can see the clip at nasa, just right click on the link and
click save.

189. ANS-169 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-06-22 01:03:07 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <f%Img.73$ii.19@newsread3.news.pas.earthlink.net>
Source record: 1645

AMSAT NEWS SERVICE
ANS-169

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Details of the Space Symposium Call for Papers can be viewed at:
http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

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In this edition:

* EaglePedia is Now Open
* SSETI Moon Orbiter - Call for Proposals
* University of Illinois Provides Details of ION Cubesat
* AMSAT-UK Colloquium Draws ESA Support
* Final Reminder - ARISS and AO-51 Field Day Configurations
* AMSAT Awards This Week
* AMSAT Store Has New Items
* ARISS Status for the Week of June 12, 2006
* Multiple Cubesat Mission Launch Now Set for July 26

SB SAT @ AMSAT $ANS-169.01
EaglePedia is Now Open

AMSAT News Service Bulletin 169.01
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.01

This week AMSAT EAGLE Project Manager Jim Sanford, WB4GCS, announced that EaglePedia is now open for general use.

EaglePedia is the communication medium used by the EAGLE developers, and is now accessible to all AMSAT members. A basic principle of the EAGLE project is open design, so Jim made the decision to open access to the EAGLE development effort once EaglePedia, a new effort itself, was judged to be ready for general use.

"The entire Eagle team has been enthusiastically supportive of openness to the members," said Jim. "We are excited to give all AMSAT members the opportunity to understand and to follow the design process of the various satellite components and systems".

Emily Clarke, N1DID has developed and customized the EaglePedia application using the MediaWiki software engine that was developed for Wikipedia. "I'd like to thank Emily for all her efforts. She has adapted the wiki product to our needs, educated the illiterati (mostly me) and added functions to make it easier for us to use. EaglePedia would not be the tool that it is, without tremendous effort on Emily's part, and I am extremely grateful for all her work."

All major decisions about the space craft and their supporting documentation will be available through the site. Although only EAGLE team members will have the ability to comment on what is posted there, all will be able to see them.

Jim notes that, "There will be some areas of the site that are available only for internal EAGLE team communications during the preliminary development stages. I have made this decision to allow unfettered communications among the team during the early phases of concept refinement and design. Once peer review of a design is complete, the initial design, peer review comments, the resolution of those comments, and the revised and approved designs will all be available to AMSAT members."

Jim, the entire EAGLE team, and AMSAT President Rick Hambly encourage everyone interested in amateur satellites to take advantage of this 'new way of working' and to follow the EAGLE design process and developments. "We are excited about offering the unprecedented access into EAGLE's development. I fully expect this approach to enhance the EAGLE design process and improve overall product quality", said Rick.

EaglePedia can be accessed via the AMSAT.org front page using the EAGLE link in the 'Quick Access to Project Pages:' section in the top right of the page.

Welcome to open satellite design.

[ANS thanks Jim, WB4GCS for the above information]

/EX

SB SAT @ AMSAT $ANS-169.02
SSETI Moon Orbiter - Call for Proposals

AMSAT News Service Bulletin 169.02
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006

To All RADIO AMATEURS
BID: $ANS-169.02

The SSETI Association - Student Space Exploration & Technology Initiative, together with ESA - the European Space Agency, have just published a Call for Proposals for a Moon orbiter mission planned for launch around 2011.

The call is open to any University student or team from one of the ESA member states or one of the ESA cooperating states. The SSETO ESEO project, which is currently underway, already has at least three radio amateur students involved in addition to the AMSAT-UK team so it would be exciting if amateurs could become involved with the new lunar project.

The ESMO spacecraft would be launched in 2011 as an auxiliary payload into a highly elliptical, low inclination Geostationary Transfer Orbit (GTO) on the new Arianespace Support for Auxiliary Payloads (ASAP) by either Ariane 5 or Soyuz from Kourou. From GTO, the 200 kg spacecraft would use its on-board propulsion system for lunar transfer, lunar orbit insertion and orbit transfer to its final low altitude polar orbit around the Moon.

A 10 kg miniaturised suite of scientific instruments (also to be provided by student teams) would perform measurements during the lunar transfer and lunar orbit phases. The core payload would be a high-resolution narrow angle CCD camera for optical imaging of lunar surface. Optional payload items being considered include a sub-surface sounding radar for polar ice detection, and a Cubesat subsatellite for precision gravity field mapping via accurate ranging of the subsatellite from the main spacecraft.

Two different propulsion designs are being studied in parallel by the students:
+ one based on a hybrid solid/liquid propulsion system
+ one relying upon solar electric propulsion.

The deadline for submission of proposals to the SSETI association is 15th August 2006. The full document is available for download from the http://www.sseti.net website. This gives full details of the planned mission, its scientific aims and communications needs.

[ANS thanks Graham, G3VZV for the above information]

/EX

SB SAT @ AMSAT $ANS-169.03
University of Illinois Provides Details of ION Cubesat

AMSAT News Service Bulletin 169.03
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.03

Purvesh Thakker, the Program Manager of the Illinois Observing Nanosatellite (ION), provided additional details of this cubesat which will be launched on June 28, 2006.

The University of Illinois is looking for amateur radio operators who can listen for ION's beacon, which will begin transmission on 437.505 Mhz immediately after launch. The beacon is sent in plain text over AX.25 every 5 minutes. A TNC in monitoring in connection-less mode should be able to copy the beacon. Send beacon reports to cubesat@ece.uiuc.edu with your name/location, any data that you receive, time of contact, and signal strength.

The ION cubesat's scientific mission includes:
+ An experiment to measure oxygen airglow emissions from the Earth's Mesosphere to helps scientists understand how energy transfers across large regions of the atmosphere.

+ A new MicroVacuum Arc Thruster (�VAT) with high dynamic range. This will provide the satellite with a versatile low mass satellite propulsion system capable of lateral movement and finely controlling attitude.

+ Testing of a new utilizing a Commercial Off the Shelf (COTS) processor that is radiation hardened through system design techniques.

+ Testing of a small CMOS camera for Earth imaging.

+ Testing of ground based attitude stabilization.

Interested amateurs are invited to subscribe to a low volume ION e-mail list by sending a message to:
cubesat-l-subscribe-request@listserv.uiuc.edu

The ION website can be found at: http://cubesat.ece.uiuc.edu

[ANS thanks Purvesh Thakker for the above information]

/EX

SB SAT @ AMSAT $ANS-169.04
AMSAT-UK Colloquium Draws ESA Support

AMSAT News Service Bulletin 169.04
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.04

AMSAT-UK's 2006 Colloquium, which is to be held from 28-30th July at the University of Surrey, Guildford, has attracted the support of the European Space Agency (ESA). The ESA Education Office have confirmed that they will support the Colloquium by sponsoring the travel and accommodation costs for up to five university students so that they can attend and present at the meeting.

This opportunity is open to any University student presently studying in one of the ESA member states or one of the ESA cooperating states. Students who are interested in applying for this sponsorship should urgently contact Tor.Viscor@esa.int giving their details and information about their proposed paper.

Additionally ESA have approved the attendance of Neil Melville - the SSETI Express project co-ordinator. Neil will be giving a full report on the SSETI Express experience and the "Knowledgebase" that has been created as a result. He will also be discussing the establishment of an internet linked World-wide network of University and radio amateur groundstations to help support future launches of satellites in the amateur satellite service.

AMSAT-UK is very pleased to receive this support from ESA as this will further assist towards promoting the synergistic relationships that already exist between the two groups of space enthusiasts.

Also at the Colloquium, AMSAT-UK and the next SSETI "Student Space Exploration & Technology Initiative" satellite project - ESEO will provide additional information about the AMSAT-UK payload, a linear 60 kHz wide transponder for the satellite.

The transponder will be a single Mode U/S device and will incorporate a STELLA SDR processor to provide the best possible system performance for all uplinked signals. The transponder is also expected to provide telecommand and telemetry facilities for mission controllers immediately after launch and before the planned earth pointing attitude has been achieved. It will also include a 400bps telemetry beacon.

Full details of the 2006 Colloquium and the online booking form can be found at http://www.uk.amsat.org/Colloquium/

The ESA website has the latest details of the SSETI-ESEO project at: http://www.esa.int/esaED/SEM29W9ATME_highereducation_0.html

[ANS thanks Graham G3VZV for the above information]

/EX

SB SAT @ AMSAT $ANS-169.05
Final Reminder - ARISS and AO-51 Field Day Configurations

AMSAT News Service Bulletin 169.05
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.05

The ARISS Phase 2 station aboard the International Space Station will be configured in crossband repeater mode--437.800 MHz up and 145.800 MHz down for Field Day. Is is being requested that **ONLY** low-power (QRP) Earth stations access the system. The definition of a QRP station for this activation will be the same criteria that AMSAT is using for its QRP operations on ECHO (AO-51) for Field Day.

Next, starting on June 19 AO-51 will be in the Field Day Configuration
to give stations time to test their gear before the June 24-25 event.

FM Repeater ON - Uplink 145.920 mHz FM with 67 hz Tone
Downlink 435.300 mHz FM

QRP Repeater ON - Uplink 145.880 mHz FM, QRP Power Limits
Downlink 435.150 mHz FM

AO-51 ECHO/ISS LOW POWER STATION (QRP) REQUIREMENTS:
To attempt to keep this simple a low power station will be defined as a
station which can deliver no more than 10 watts to a vertical or
handheld antenna. Some examples of Low Power Stations:

1. Using an HT (barefoot, no amplifier) with 10 watts or less output
into any type of vertical whip antenna (rubber duck, etc) or handheld
beam antenna (arrow type).

2. Using a mobile station with 10 watts or less output into car mounted
mobile whip antenna(s).

3. Using a base station at 10 watts output into a vertical Omni
directional antenna on the side of the house.

Examples that are **NOT** Low Power Stations:
1. Any type of high gain beam antenna, KLM, M2, Cushcraft, etc.

2. Any station transmitting over 10 watts into any type of antenna.

The crossband repeater should be activated Thursday, June 22 (late in
the crew day) so ground operators can have a chance to practice with
their QRP setups and learn how best to deal with the Doppler on the
uplink. It will be deactivated on Monday as required for the docking of
the Progress cargo supply ship.

If Jeff Williams (KD5TVQ) and/or Pavel Vinogradov (RV3BS) do get a
chance to talk on the radio, they will be using the crossband repeater
mode and will be giving "NA1SS, 1 Alpha, ISS" or "RS0ISS, 1Alpha, ISS"
respectively.

REMINDER - Contacts through the ISS crossband repeater count as a
satellite contact for Field Day bonus points, but contacts with the crew
do not count for Field Day satellite bonus points.

[ANS thanks Ken, N5VHO and the AO-51 Command Team for the above
information]

/EX

SB SAT @ AMSAT $ANS-169.06
AMSAT Awards This Week

AMSAT News Service Bulletin 169.06
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS

BID: $ANS-169.06

Bruce, KK5DO wearing his AMSAT Director Contests and Awards hat says
this week, congratulations go out to all of the following:

We would like to welcome the following to the satellite community.
They have made their first satellite contact and are now members of the
AMSAT Satellite Communicators Club:

+ Edward Chuang, BX1AD
+ Robert Wyckoff, KB3MBO
+ Karn Suwanrat, E20ZFD

Zachary Schrempp, KM7I, is awarded the W4AMI Award #44.

To see all the awards visit http://www.amsat.org.

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-169.07
AMSAT Store Has New Items

AMSAT News Service Bulletin 169.07
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.07

Bruce, KK5DO wearing his AMSAT Online Store Manager hat invites all
to visit the AMSAT Online Store to take a look at some of the new
items.

Bruce says, "We have added the 2006 edition of the AMSAT Shirts and
Caps as well as the newly updated 'Getting Started With Amateur
Satellites 2006' publication. Are you into patches and decals? There
is a new Eagle patch and decal."

Besides these new items, you can also apply for your AMSAT awards online
and join or renew your AMSAT membership.

The online store is for you, we welcome any comments or suggestions.
Go to http://www.amsat-na.com/categories.php to enter the store.

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-169.08
ARISS Status for the Week of June 12, 2006

AMSAT News Service Bulletin 169.08
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS

BID: $ANS-169.08

1. New Jersey Contact Successful
The re-scheduled ARISS contact with Salt Brook Elementary School, an ARRL Big Project school in New Providence, New Jersey, was successfully completed on June 5. Ten students asked twelve questions of astronaut Jeff Williams, KD5TVQ, as approximately 600 students, teachers and parents witnessed the event. The New Providence Amateur Radio Club (NPARC) assisted with the radio contact.

2. NASA Explorer School Contact Successful
Scarlett Middle School experienced an ARISS contact on June 6. Scarlett, a NASA Explorer School in Ann Arbor, Michigan, is attended by approximately 600 students in grades 6 - 8. During the contact, thirteen students asked one question each of Jeff Williams, KD5TVQ. Students, teachers, parents, school administrators and representatives from the Ann Arbor Board of Education and Congressman John Dingell's office attended the event, as did NASA Aerospace Education Specialist Jim Fitzgerald. Media coverage included the Ann Arbor News, whose article may be found on the web. See:
http://www.mlive.com/news/aanews/index.ssf?/base/news-18/11496912607210.xml&coll=2&thispage=1

3. Upcoming School Contact
The European Space Center Camp in Transinne, Belgium had a contact with the ISS on Tuesday, June 13 at 13:39 UTC. This was a telebridge contact via the station, W6SRJ, in Santa Rosa, California. Approximately 100 children, ages 8 - 18, from several European countries, attend the camp for 5 days each week.

4. School Selection Committee Meeting Held
The ARISS Educational Outreach/School Selection Committee Meeting was held on Thursday, June 8. A new volunteer, Rita Wright, KC9CDL, has joined ARISS. She was the first teacher to have a contact with the ISS and will be reviewing and helping teachers select lesson plans for the classroom. This and other topics of discussion may be found in the meeting minutes, which have been posted to the ARISS website.
See: http://www.rac.ca/ariss/arissschm.htm

5. ARISS Member Receives Silver Snoopy Award
On Thursday, June 8, Bill McArthur, KC5ACR, presented ISS Ham Project Engineer Kenneth Ransom, N5VHO, with a Silver Snoopy award for his hard work and dedication to the ARISS program during Expedition 12. The pin flew on McArthur's first mission, STS-58, Columbia, in 1993. Congratulations Kenneth!

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-169.09
Multiple Cubesat Mission Launch Now Set for July 26

AMSAT News Service Bulletin 169.09
From AMSAT HQ SILVER SPRING, MD.
June 18, 2006
To All RADIO AMATEURS
BID: $ANS-169.09

Roland Coelho, the CubeSat Acting Launch Coordinator at the California Polytechnic State University reports via the CubeSat mailing list that Kosmotras has recently notified the CubeSat teams that the DNEPR-1 launch has been officially postponed to July 26th with a reserve date of July 27th. The delay is due to a technical problem experienced during launch vehicle preparation.

The approximate three week delay will be used to prepare a backup launch vehicle. The delay will also effect the date of P-POD integration which means the satellites will be integrated with the launch vehicle starting some time around July 14th.

The CubeSat project is a collaboration between California Polytechnic State University-San Luis Obispo and Stanford University's Space Systems Development Laboratory.

[ANS thanks Roland Coelho at Cal Poly for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

190. WSR-170 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-22 01:03:11 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <j%lmg.74$ii.42@newsread3.news.pas.earthlink.net>
Source record: 1646

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-170.S1
WSR 170 Part 1 06/19/2006

AMSAT NEWS SERVICE BULLETIN 170.S1 FROM AMSAT HQ
SILVER SPRING, MD, June 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-170.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U QRP
V/U High Power with tone
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06192006]
=====
SO-50 SAUDISAT-1C

Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]

=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasional Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-170.S2
WSR 170 Part 2 06/19/2006

AMSAT NEWS SERVICE BULLETIN 170.S2 FROM AMSAT HQ
SILVER SPRING, MD, June 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-170.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasinal Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.

[06122006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that Yes, PCSAT2 has gone into low voltage
shut-down
since the sun angle on the space station is large. The angle should
improve
on 24 June just-in-time for Field Day. We hope to activate PCSAT2 as a
145.825 up/down simplex digipeater while the ARISS system will be in
cross-
band repeater mode.
[ANS-WSR wishes to thank Bob, WB4APR,for this weeks info]
[06192006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U QRP
FM Repeater - V/U High Power with tone
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast

Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 19 Field Day Configuration
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater with QRP Requirements
Downlink 435.150 mHz FM
Uplink 145.880 mHz FM, QRP Power Limits

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06192006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7

Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)

Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-170.S3
WSR 170 Part 3 06/19/2006

AMSAT NEWS SERVICE BULLETIN 170.S3 FROM AMSAT HQ
SILVER SPRING, MD, June 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-170.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz

Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]

=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater

Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-170.S4
WSR 170 Part 4 06/19/2006

AMSAT NEWS SERVICE BULLETIN 170.S4 FROM AMSAT HQ
SILVER SPRING, MD, June 19, 2006
TO ALL RADIO AMATEURS
BID: $ANS-170.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

191. ANS-176 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-06-28 16:00:04 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <8Ixog.3957$ii.677@newsread3.news.pas.earthlink.net>
Source record: 1647

AMSAT NEWS SERVICE
ANS-176

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:

* Field Day Reminders from AMSAT Director Contests and Awards
* OSCAR-11 Report 16 June 2006 - Reception Reports Requested
* Call for Papers - 2006 ARRL/TAPR Digital Communications Conference
* ARISS Status 19 June 2006
* AMSAT-UK 21st International Space Colloquium
* Meteoroid Hits the Moon: The Movie

SB SAT @ AMSAT $ANS-176.01
Field Day Reminders from AMSAT Director Contests and Awards

AMSAT News Service Bulletin 176.01
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.01

Bruce Paige, KK5DO, AMSAT Director Contests and Awards, passed along these Field Day reminders:

"1. Please watch the due date for submitting your scores from field day. If you e-mail your submission to me, I will send you a confirmation e-mail. If you do not get the confirmation e-mail, I did not receive your entry and you should send it again. I hate it when someone is inadvertently left out of the listing.

2. Take lots of pictures. The more pictures the better. Send them along with your e-mailed scores to me. That will make for a really good journal article.

3. Have a lot of fun."

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-176.02
OSCAR-11 Report 16 June 2006 - Reception Reports Requested

AMSAT News Service Bulletin 176.02
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.02

Clive, G3CWV, filed this OSCAR-11 report and a request for reception reports:

"Due to solar eclipses (see below) the VHF beacon on 145.826 MHz. may only transmit for a short times, perhaps for only a few orbits, or even less, at irregular intervals. Any reception reports would be appreciated. Please e-mail xxxxx@amsat.org (replace xxxxx by g3cwv), or post to AMSAT-BB. If you are unfamiliar with the sound of OSCAR-11, there is an audio clip on my web site www.users.zetnet.co.uk/clivew/

During the period 06 May to 15 June 2006 nothing has been heard from the satellite. OSCAR-11's VHF beacon switched OFF on 05 May, as expected. This was just one day before the solar eclipses were due to start. These eclipses will continue until 04 August 2006, reaching a maximum duration of 22% around 19 June. If the satellite behaves in the same way as it did last year, the beacon may only be heard for very short times, during the eclipse season.

Unfortunately, due to holidays, I was unable to monitor the satellite around 15 May, when the first transmissions during the eclipse season were expected. However, I am indebted to Jeff KB2M, Bob G4VRC and Gustavo LW2DTZ who listened for the satellite while I was away.

The current status of the satellite is that all the analogue telemetry channels, 0 to 59 are zero, i.e. they have failed. The status channels 60 to 67 are still working. The spacecraft computer and active attitude control system have switched OFF, i.e. the satellite' attitude is controlled only by the passive gravity boom gradient, and the satellite is free to spin at any speed. When telemetry was last received it showed that one of the solar arrays had failed, and there was a large unexplained current drain on the main 14 volt bus. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

When last heard, the on-board clock showed a very large accumulated error. On 05 May it was 22.76456 days slow. The clock lost two hours during the last OFF period, and nine hours during the last transmission period. The observations of clock errors suggest that the clock may slow or stop when the battery voltage is low.

The watchdog timer now operates on a 20 day cycle. During the three months before the eclipses started, the ON/OFF times have been very consistent, and

the average of many observations show this to be 20.7 days, i.e. 10.3 days ON followed by 10.4 days OFF. However, during the present solar eclipse season, power supply problems, may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my web site which contains an archive of news & telemetry data. It also contains details about using a sound card or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry."

See: www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV for the above information]

/EX

SB SAT @ AMSAT $ANS-176.03
Call for Papers - 2006 ARRL/TAPR Digital Communications Conference

AMSAT News Service Bulletin 176.03
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.03

Technical papers are solicited for presentation at the 25th Annual ARRL and TAPR Digital Communications Conference to be held September 15-17, 2006 in Tucson, Arizona. These papers will also be published in the Conference Proceedings (you do NOT need to attend the conference to have your paper included in the Proceedings). The submission deadline is July 31, 2006.

Please send papers to:

Maty Weinberg
ARRL
225 Main Street
Newington, CT 06111

or you can make your submission via e-mail to: maty@arrl.org

Papers will be published exactly as submitted and authors will retain all rights.

[ANS thanks Steve, WB8IMY for the above information]

/EX

SB SAT @ AMSAT $ANS-176.04
ARISS Status 19 June 2006

AMSAT News Service Bulletin 176.04
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.04

1. ESC Camp Contact Successful

On Tuesday, June 13, the Euro Space Center Camp in Transinne, Belgium experienced an ARISS contact via the telebridge station W6SRJ, in Santa Rosa, California. Twenty students were able to ask twenty questions before losing contact with the ISS. Approximately 60 children from Gillingham School located in Dorset, U.K. were present and another fifty from France, visiting the center for the day, also witnessed the contact. Afterwards, a French teacher interpreted the questions and answers for the French children. Audio and photos of the event may be found on the ARISS-Europe web site. See: http://www.ariss-eu.org/2006_06_15.htm

The ESC Camp audio, fed through EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers, had 24 connections, of which 3 were repeater nodes, from 9 countries. The audio was also fed through the IRLP Discovery Reflector 9010 with four connections made from the USA and Canada. One of the connections, in Saint John, New Brunswick, enabled students from a Grade 5 class at Quispamsis Elementary School, and representatives from the Canadian Broadcasting Corporation (CBC) Radio and Television services to listen in. After the contact, an ARISS member conducted a half-hour question and answer session with the students. Among the questions asked were 6 which focused on ARISS activities.

2. Upcoming School Contact

The Kuwait Scientific Center in Salmiyah, Kuwait has been approved for a contact with the ISS via the telebridge station VK5ZAI in Australia. It is planned for Thursday June 29 at 18:10 UTC. The audio from this contact will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers, and into the IRLP Discovery Reflector 9010. It will also be available on the Discovery Reflector's companion web site, www.discoveryreflector.ca:8000/listen.pls

The Scientific Center is dedicated to the advancement of the sciences and cultural heritage of Kuwait. It promotes public awareness, knowledge of and commitment to the care and conservation of the wildlife and ecosystems of the Arabian Gulf region, serving as a center of excellence for environmental education of the region. The Scientific Center Kuwait plans to web cast the event on: http://www.tsck.org.kw

3. Field Day Status

The Kenwood radio system were placed in crossband repeater mode beginning on Thursday, June 22 at 19:00 UTC and will remain active throughout the Field Day weekend. ARRL ran a web story about Field Day events entitled, "Field

Day 2006: NASA Releases ISS North and South America Pass Times." See:
http://www.arrl.org/news/stories/2006/06/15/1/?nc=1
Information may also be found on the AMSAT web site. See:
http://www.amsat.org/amsat-new/index.php

4. Astronaut Training Status

Kenneth Ransom of JSC provided a refresher course for ESA astronaut Thomas Reiter, DF4TR, on Tuesday, June 13. School contact operations on the Ericsson radio were covered and a review of the Kenwood basic operations was given. Reiter is expected to fly on STS-121 in July and remain on the ISS to work with the station crew.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-176.05
AMSAT-UK 21st International Space Colloquium

AMSAT News Service Bulletin 176.05
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.05

AMSAT-UK will hold their 21st International Space Colloquium at the University of Surrey, Guildford, England from Friday 28th until Sunday 30th July.

The director of NASA's Ames Research Center Dr. S. Pete Worden (Brig. Gen., USAF, ret.) will make a Keynote presentation entitled: "The Case for a Global NEO Mitigation Strategy" - looking at what we could do to avoid the threat of catastrophic collision by a Near Earth Object.

While most people have heard of the very rare "Mass Extinction" events such as that which wiped out the dinosaurs there is less awareness of the damage that can be inflicted by the far more frequent "Tunguska-class" objects. These objects, about 100 metres or so in size, can strike up to several times per century with all the destructiveness of a nuclear weapon.

Dr. Worden has written or co-authored more than 150 technical papers in astrophysics, space science and strategic studies. He was scientific co-investigator for two NASA space lab missions. During the 1990's he was responsible for much of the US DoD work to develop small satellites, microsatellites and reusable satellite launchers.

For the full program see:
http://www.uk.amsat.org/Colloquium/programme/

[ANS thanks Trevor, M5AKA for the above information]

/EX

SB SAT @ AMSAT $ANS-176.07
Meteoroid Hits the Moon: The Movie

AMSAT News Service Bulletin 176.07
From AMSAT HQ SILVER SPRING, MD.
June 25, 2006
To All RADIO AMATEURS
BID: $ANS-176.07

Last month, astronomers watched a meteoroid blast a hole in the lunar Sea of Clouds. Their video of the event is a must-see.

The video plays in 7x slow motion; otherwise the explosion would be nearly invisible to the human eye. "The duration of the fireball was only four-tenths of a second," says Bill Cooke, the head of NASA's Meteoroid Environment Office in Huntsville, AL. "A student member of our team, Nick Hollon of Villanova University, spotted the flash."

Taking into account the duration of the flash and its brightness (7th magnitude), Cooke was able to estimate the energy of impact, the dimensions of the crater, and the size and speed of the meteoroid. "It was a space rock about 10 inches (25 cm) wide traveling 85,000 mph (38 km/s)," he says.

If a rock like that approached Earth, it would never reach the ground. "Earth's atmosphere protects us," Cooke explains. "A 10-inch meteoroid would disintegrate in mid-air, making a spectacular fireball in the sky but no crater." The Moon is different. Having no atmosphere, it is totally exposed to meteoroids. Even small ones can cause spectacular explosions, spraying debris far and wide.

The movie can be seen at:

http://science.nasa.gov/headlines/y2006/13jun_lunarsporadic.htm?list835304

[ANS thanks NASA Science News for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG

192. WSR-177 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-06-28 16:00:07 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <bIxog.3958$ii.3055@newsread3.news.pas.earthlink.net>
Source record: 1648

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-177.S1
WSR 177 Part 1 06/26/2006

AMSAT NEWS SERVICE BULLETIN 177.S1 FROM AMSAT HQ
SILVER SPRING, MD, June 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-177.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U QRP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

June 26
FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06262006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasional Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-177.S2
WSR 177 Part 2 06/26/2006

AMSAT NEWS SERVICE BULLETIN 177.S2 FROM AMSAT HQ
SILVER SPRING, MD, June 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-177.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasinal Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[06122006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that Yes, PCSAT2 has gone into low voltage
shut-down
since the sun angle on the space station is large. The angle should
improve
on 24 June just-in-time for Field Day. We hope to activate PCSAT2 as a
145.825 up/down simplex digipeater while the ARISS system will be in
cross-
band repeater mode.
[ANS-WSR wishes to thank Bob, WB4APR,for this weeks info]
[06192006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U QRP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for April 2006 according to Drew, KO4MA:

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FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[06262006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM

145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-177.S3
WSR 170 Part 3 06/26/2006

AMSAT NEWS SERVICE BULLETIN 177.S3 FROM AMSAT HQ
SILVER SPRING, MD, June 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-177.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====

XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB

Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM

[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549

Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-177.S4
WSR 177 Part 4 06/26/2006

AMSAT NEWS SERVICE BULLETIN 177.S4 FROM AMSAT HQ
SILVER SPRING, MD, June 26, 2006
TO ALL RADIO AMATEURS
BID: $ANS-177.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

193. STS Stuff

Newsgroup: rec.radio.amateur.space
Date: 2006-07-02 17:23:52 UTC
From: "Mike, who else?" <Mike@nowhere.net>
Message-ID: <IiTpg.113114$iF6.43205@pd7tw2no>
Source record: 1649

Any cool ham stuff being sent up to space station on this newest STS launch?

73 de Mike VE6HMG

194. WSR-184 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-07-05 15:32:48 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <AYQqg.3579$cd3.1419@newsread3.news.pas.earthlink.net>
Source record: 1550

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-184.S1
WSR 184 Part 1 07/03/2006

AMSAT NEWS SERVICE BULLETIN 184.S1 FROM AMSAT HQ
SILVER SPRING, MD, July 03, 2006
TO ALL RADIO AMATEURS
BID: $ANS-184.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U QRP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to Drew, KO4MA:

Tenatively, and subject to change:

July 1 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07032006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)

Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasional Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[06122006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-184.S2
WSR 184 Part 2 07/03/2006

AMSAT NEWS SERVICE BULLETIN 184.S2 FROM AMSAT HQ
SILVER SPRING, MD, July 03, 2006
TO ALL RADIO AMATEURS
BID: $ANS-184.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - Mode V / Occasinal Voice
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[06122006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Digipeater / XBAUD (PSK31/CW Repeater)

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

Bob, WB4APR, reports that Yes, PCSAT2 has gone into low voltage
shut-down
since the sun angle on the space station is large. The angle should
improve
on 24 June just-in-time for Field Day. We hope to activate PCSAT2 as a
145.825 up/down simplex digipeater while the ARISS system will be in
cross-
band repeater mode.
[ANS-WSR wishes to thank Bob, WB4APR,for this weeks info]
[06192006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U QRP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP

L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to Drew, KO4MA:

Tenatively, and subject to change:

July 1 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07032006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397

Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====

UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-184.S3
WSR 184 Part 3 07/03/2006

AMSAT NEWS SERVICE BULLETIN 184.S3 FROM AMSAT HQ
SILVER SPRING, MD, July 03, 2006
TO ALL RADIO AMATEURS
BID: $ANS-184.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129

Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437

Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323

24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-184.S4
WSR 184 Part 4 07/03/2006

AMSAT NEWS SERVICE BULLETIN 184.S4 FROM AMSAT HQ
SILVER SPRING, MD, July 03, 2006
TO ALL RADIO AMATEURS
BID: $ANS-1.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
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195. ANS-183 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-07-05 15:32:59 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <LYQqg.3580$cd3.3517@newsread3.news.pas.earthlink.net>
Source record: 1551

AMSAT NEWS SERVICE
ANS-183

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

The AMSAT web team has posted informational pages on the AMSAT web site. You can find the announcement with many links at:
http://www.amsat-org/amsat-new/symposium

Details of the Space Symposium Call for Papers can be viewed at:
http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

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In this edition:

* AMSAT Space Symposium Registration is Now Online
* Five Hams in Space - Three Will Remain On-Orbit With ISS
* Astronaut Still Seeks QSLS For DXCC From Space
* New Jersey 7th Grader Helps with ARISS QSO
* Old US Satellite Passes Space Station Without Incident
* SMART-1 Lunar Mission Prepares for the End

SB SAT @ AMSAT $ANS-183.01
AMSAT Space Symposium Registration is Now Online

AMSAT News Service Bulletin 183.01
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.01

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

The expanded information includes:
- Online Registration for the Symposium including banquet menu and tour selections
- Online Hotel Reservations at the AMSAT Discounted Symposium Rate
- Information about the Sunday Trip to NASA Ames
- Information for Exhibitors and Vendors
- A Donated Prizes list of prizes to be awarded during the Symposium
- Symposium Tour Information and Tour Signup
- Enhanced California Tourism information (with links!)
- Sporting events and shopping information
- A Ride Sharing system

For the first time AMSAT is matching up drivers and riders who may be driving to the Symposium. Sharing a ride is a wonderful way to ease parking congestion and expenses, while sparing the air. You can sign up as a local participant who is driving in each day, or as a long distance driver coming from Southern California and surrounding states. Please visit the "Ride Sharing" link from the main Symposium page for additional information.

This year AMSAT will provide a limited amount of space for vendors and exhibitors. Exhibitors and demonstrations will have space in a breakout room adjacent to the main Symposium room, and vendors will be located in the foyer outside the Symposium room. Vendor space is limited, so space will be reserved for vendors donating prizes for the Symposium first. Please see the "Exhibitors and Vendors" link from the main Symposium page.

In addition to online registration you can download the registration form in PDF format and mail it in. Registration forms will also be included in the next edition of the AMSAT Journal and with AMSAT Board election ballots.

Welcome to the Bay Area!

[ANS thanks Emily Clarke, N1DID, Symposium Chairperson, for the above information]

/EX

SB SAT @ AMSAT $ANS-183.02
Five Hams in Space - Three Will Remain On-Orbit With ISS

AMSAT News Service Bulletin 183.02
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.02

When the STS-121 Mission is launched it will have three radio amateurs aboard. These three Discovery crew radio amateurs will join with the

two hams already aboard the ISS for a total of five radio amateurs in space. The radio amateurs aboard Discover are Mission Specialists Lisa Nowak, KC5ZTB, Stephanie Wilson, KD5DZE, and European Space Agency (ESA) astronaut and Mission Specialist Thomas Reiter, DF4TR.

Reiter will remain on the ISS as part of the Expedition 13 and 14 crews joining with Expedition 13 Commander and cosmonaut Pavel Vinogradov, RV3BS, and Flight Engineer and NASA Station Science Officer Jeff Williams, KD5TVQ.

The Discovery Shuttle carries no Amateur Radio equipment on this mission.

[ANS thanks ARISS and the ARRL for the above information]

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SB SAT @ AMSAT $ANS-183.03
Astronaut Still Seeks QSLS For DXCC From Space

AMSAT News Service Bulletin 183.03
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.03

International Space Station Expedition 12 Commander Bill McArthur, KC5ACR, reports logging 130 DXCC entities from NA1SS while on orbit, but the DX QSLs have been slow in coming. To date McArthur has only about one-third of the entities confirmed for a special DXCC from space.

DX stations that worked McArthur at NA1SS during Expedition 12 are urged to send QSL cards to:

ARRL
ARISS QSL -- Exp 12
225 Main St.
Newington, CT 06111-1494 USA

DX stations may also QSL via the routes on the Amateur Radio on the International Space Station (ARISS) Web site:
http://www.rac.ca/ariss/oindex.htm#QSL's

They will take longer to be counted. If you've already sent a card "via the buro," ARISS asks that you send another to the ARRL ARISS QSL address.

As of June 20, McArthur has these entities confirmed from NA1SS: Alaska, Antarctica, Argentina, Australia, Belgium, Brazil, Chile, Colombia, England, France, Gibraltar, Hawaii, India, Israel, Japan, Mariana Is, Mexico, the Netherlands, New Zealand, Panama, Puerto Rico, South Cook Is, South Africa, Spain, Switzerland, Thailand, Turkey, United States, Uruguay and Venezuela.

[ANS thanks The ARRL Letter, Vol. 25, No. 25 for the above information]

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SB SAT @ AMSAT $ANS-183.04
New Jersey 7th Grader Helps with ARISS QSO

AMSAT News Service Bulletin 183.04
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.04

Nick, KC2ONP, a seventh grader at New Providence Middle School, served as the control operator during the June 5 ARISS school contact with the Salt Brook Elementary School in New Providence, New Jersey. All of the Salt Brook students who participated in the contact with NA1SS are members of the Salt Brook Statics, a ham radio club at the school mentored by the New Providence Amateur Radio Club.

An audience of some 600 fellow students, parents, faculty, dignitaries and news media packed the school's auditorium for the contact. Another 300 students at Liberty Middle School in West Orange, New Jersey listened in.

ARISS is a nine-nation educational outreach with US participation by ARRL, AMSAT and NASA.

[ANS thanks ARISS and the ARRL for the above information]

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SB SAT @ AMSAT $ANS-183.05
Old US Satellite Passes Space Station Without Incident

AMSAT News Service Bulletin 183.05
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.05

An old U.S. Air Force spy satellite named Hitch Hiker 1 passed close but harmlessly by the International Space Station, a top ballistics expert with Russia's mission control center told the RIA Novosti news service June 27.

Hitch Hiker 1, launched aboard a Thor-Agena D rocket from Vandenberg Air Force Base, Calif., on June 27, 1963, closed within 1,000 feet of the space station at a combined speed of more than 32,000 miles (52,000 kilometers) an hour.

Hitch Hiker, whose mission remains classified, was thought to be designed to detect Soviet Union nuclear weapons tests from its polar orbit.

"Our calculations have been correct - the object flew past the station," Nikolai Ivanov told the news service, adding the ISS crew had not been instructed to try to photograph Hitch Hiker, because it was moving at

such a high speed.

"The speed was more than 14 kilometers (9 miles) per second, and it was impossible to record it," Ivanov said. He noted that the U.S. Space Catalog contains more than 10,000 various objects of different sizes currently in orbit around Earth - including the space station.

"Only 10 percent of these objects, each of which has a number, are operable spacecraft, and the rest are just space garbage," Ivanov said.

He added, however, that if mission controllers' calculations had been incorrect, the satellite could have pierced or several damaged the station. He said Russian and NASA systems had been monitoring the encounter.

"The ISS had a special procedure, developed in advance, for emergency maneuvers to swerve away from space garbage," Ivanov said. "The ISS has used six such maneuvers in its history - four with the help of Progress s pacecraft and two using shuttles."

[ANS thanks Space Daily Express for the above information]

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SB SAT @ AMSAT $ANS-183.06
SMART-1 Lunar Mission Prepares for the End

AMSAT News Service Bulletin 183.06
From AMSAT HQ SILVER SPRING, MD.
July 2, 2006
To All RADIO AMATEURS
BID: $ANS-183.06

After sixteen months orbiting the Moon, ESA's lunar mission is preparing for the end of its scientific exploration. On 19 June, SMART-1 mission controllers initiated a 17-day series of manoeuvres aimed at positioning the spacecraft to enhance science data return as the mission winds down.

SMART-1, Europe's successful first Moon mission, is scheduled to end on 3 September 2006, impacting on the Moon's surface in a disposal plan similar to that of many earlier lunar missions.

The recently started manoeuvre campaign aims to avoid having the space-craft intersect with the Moon at a disadvantageous time from the scientific point of view, as it would have naturally about 17 August if left alone.

Because the spacecraft is out of fuel the use of the electric propulsion system (the ion engine) had to be ruled out. "The manoeuvre strategy consists of a series of reaction-wheel off-loadings combined with about three hours of intermittent thrust centred at apolune (point of furthest distance from the Moon) during the next 74 orbits," said Octavio Camino, Spacecraft Operations Manager at ESOC.

The off-loading consists of braking a set of spinning wheels inside the spacecraft, which has the effect of transferring angular momentum from the

wheels to the spacecraft and hence changing its velocity.

"We use asymmetric firing of the attitude thrusters to produce a small velocity variation aligned with the flight direction. This will change the orbit by an accumulative effect," added Camino.

This manoeuvre campaign along with a few trim manoeuvres will make it possible to predict the exact time and location for the SMART-1 impact on September 3 with more accuracy. Projections based on the current orbit indicated that the spacecraft, if left as is, would impact the Moon on the far side, away from ground contact and visibility. The new location is on the Moon's near-side, at mid-southern latitudes.

[ANS thanks ESA and UniverseToday.com for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

196. New Swiss Antenna system...

Newsgroup: rec.radio.amateur.space
Date: 2006-07-11 03:35:11 UTC
From: Marklinbuyer@gmail.com
Message-ID: <1152588911.521207.236900@s13g2000cwa.googlegroups.com>
Source record: 1552

Here is a very interesting article from SwissInfo.

A zeppelin will replace all of the terrestrial mobile phone antennas in Switzerland - if a Swiss inventor has his way.

Should Kamal Alavi's project for the high-tech airship take wing, the worlds of mobile telephony and data transmission would be turned on their heads.

Not only would the technology, called High Altitude Platform Systems (Haps), make the current 1,000 earth-bound antennas redundant, it would drastically reduce radiation.

A Swiss of Iranian extraction, Alavi is a former aerospace engineer turned entrepreneur who heads his own firm, Stratxx. Together with a team of 50 scientists, he is preparing a 2007 test run of the airship, which he has named the "X station".

Thanks to a GPS steering system developed by the Swiss Federal Institute of Technology, the 60-meter long helium-filled balloon will remain stationary at 21 kilometres above the earth.

A small-unmanned aircraft outfitted with a mobile phone antenna and other devices for transmitting digital data will be attached to the zeppelin. The X station has been equipped with giant propellers to help counter the almost constant buffeting from the wind.

Solar panels will supply the energy to propel the airplane and antenna. Underneath will be a platform containing technical equipment, conceived by Ruag, the large Swiss aerospace concern.

Radiation

"Transmitting on earth causes lots of radiation, because you have to penetrate countless buildings," Alavi says, arguing that phone connections are more reliable when transmitted from above because the signals are unobstructed by manmade or natural objects.

And "spot beam" antennas developed at Lausanne will allow radiation to be adjusted according to usage, regions with little activity receiving relatively less.

But Switzerland's largest mobile telephone operator, Swisscom believes not all of the technological hurdles have been overcome.

"This project cannot replace the present mobile telephone system," spokesman Sepp Huber told swissinfo.

The X station would not be limited to forwarding mobile telephone signals, but would also be capable of handling the radio, television and internet needs of entire nations.

Alavi believes that his project is also economical. He estimates that a Haps airship will cost no more than SFr40 million ($32 million).

In comparison, a single mobile phone antenna costs about SFr300,000 while a communications satellite starts at SFr600 million.

Alavi says the X stations are conceived to be low maintenance. In the event of a defect, the aircraft will be decoupled from the airship and returned to earth, much like a mini-space shuttle.

The project is now in a key phase. Solar cells are being tested at an altitude of 30 kilometres, and final preparations are underway for the launch of the first airship into the stratosphere. The entire system should be ready for testing a year from now.

The potential is enormous if Stratxx manages to be the first to fly with this new technology. About 20 Haps would be required to cover Europe alone while Africa would need twice as many.

swissinfo, Etienne Strebel

So, has anyone or group tried to get a couple ham antennas on this thing???

Bill

http://MarklinBuyer.com
I buy Marklin model trains

197. ANS-190 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-07-11 23:53:57 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <pSWsg.3340$vO.2319@newsread4.news.pas.earthlink.net>
Source record: 1553

AMSAT NEWS SERVICE
ANS-190

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* AO-51 July Schedule
* Industry Software Donatations to AMSAT
* New AO-51 Operations Committee Members
* ARISS Status - 03 July 2006

SB SAT @ AMSAT $ANS-190.01
AO-51 July Schedule

AMSAT News Service Bulletin 190.01
From AMSAT HQ SILVER SPRING, MD.
July 9, 2006
To All RADIO AMATEURS
BID: $ANS-190.01

Tenative and subject to change:

July 1 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

Drew Glasbrenner, KO4MA, explains that the current schedule for July indicates AO-51 will be in the normal voice and digital configuration for the entire month. This schedule is, as stated, tentative and subject to change. Due to real world obligations, the command opportunities this month were limited and uncertain and it was decided that the best

solution would be to provide a solid schedule that would always provide the standard V/U voice repeater on the 435.300. If the chance presents itself, we may experiment with a few new combinations on the 435.150 downlink, using a L band digital or voice uplink. These experimental modes will be announced via the web page as well as amsat-bb in advance of any mode changes. L uplinks and S downlinks have been heavily requested the last 2 months, and the Operations Committe has taken notice and will include these modes in future schedules.

The digipeater is now on again and will remain on as long as it does not interfere with the PBBS users. While the Operations Committee assesses how this impacts the PBBS users, it is requested that there be no unattended digipeater operations. Be aware that AO-51, unlike previous PACSATS, only has one uplink frequency for the PBBS, and runs about 0.3 watts on the digital transmitter during the longer eclipse season (which is now). Also, the earlier releases of TLMEcho do not display the digi status correctly.

The Operations Committee would appreciate feedback on how well it works. A lack of feedback will probably be viewed as a lack of interest, so everyone is encouraged to report their success or failure.

Please remember to submit your mode requests and special events well in advance of your event to ao51-modes@amsat.org for consideration.

[ANS thanks Drew, KO4MA, for the above information]

/EX

SB SAT @ AMSAT $ANS-190.02
Industry Software Donatations to AMSAT

AMSAT News Service Bulletin 190.02
From AMSAT HQ SILVER SPRING, MD.
July 9, 2006
To All RADIO AMATEURS
BID: $ANS-190.02

Bob McGwier, N4HY, AMSAT Vice President Engineering, reports that AMSAT has recently been very successful in acquiring donations which will greatly benefit the Eagle Team in their design and analysis tasks. Bob said, "I wanted to bring to the attention of the Board and our members some of our AMSAT President's recent activities."

Rick Hambly, W2GPS, AMSAT President has been primarily responsible for getting us university/educational status with several organizations including a donation from Texas Instruments of their Code Composer Studio Platinum Edition software valued at $10,785 USD and Cadence Design Systems' OrCAD(R) PCB Designer with PSpice and PSpice(R) Advanced Analysis valued at $185,915 USD.

Other significant donations are also being developed and hopefully can be announced shortly.

Bob continued, "We owe Rick a thank you for his leadership on this. Every time I have asked him to try, he has, and on all attempts he has HIT A HOME RUN".

Rick concluded, "AMSAT is very appreciative of the donations we're receiving from such major players in the industry. With these donations and the continuing financial support of our members the momentum within the Eagle Project is growing every day."

[ANS thanks Bob, N4HY and Rick, W2GPS for the above information]

/EX

SB SAT @ AMSAT $ANS-190.03
New AO-51 Operations Committee Members

AMSAT News Service Bulletin 190.03
From AMSAT HQ SILVER SPRING, MD.
July 9, 2006
To All RADIO AMATEURS
BID: $ANS-190.03

Drew Glassbrenner, KO4MA, recently announced several new members have joined the AO-51 Operations Committee. Drew said, "I would like to thank the following new members for volunteering to help with the committee:

WD9EWK/VA7EWK Patrick Stoddard
N8MH Mark Hammond
OZ1MY Ib Christoffersen
VK5HI Colin Hurst"

These volunteers will be joining existing committee members Drew Glasbrenner, KO4MA, and Mike Kingery, KE4AZN.

Drew added, "Personally I'd like to thank Roy Welch, W0SL, and Clare Fowler, VE3NPC, for their service with the committee over the past many months."

Drew continued, "Some of the goals I have set out for the committee and hope to accomplish are; acknowledging every email sent to the ao51-modes address, having a completed schedule posted 2 weeks before the beginning of the month, improved support of large special events such as JOTA and Kids Day, and better publication of AO-51 related information via the amsat-bb, webpage, and AMSAT Journal."

Suggestions and offers of help are always welcome via the ao51-modes@amsat.org address.

[ANS thanks Drew, KO4MA, for the above information]

/EX

SB SAT @ AMSAT $ANS-190.04
ARISS Status - 03 July 2006

AMSAT News Service Bulletin 190.04
From AMSAT HQ SILVER SPRING, MD.
July 9, 2006
To All RADIO AMATEURS
BID: $ANS-190.04

1. ARISS-Kuwait Contact Successful

The first ARISS contact with children in Kuwait took place on Wednesday, June 28. Eleven students at the Kuwait Scientific Center in Salmiyah spoke to Jeff Williams, KD5TVQ, via the telebridge station WH6PN in Hawaii. Twenty-two questions were asked as an audience of approximately forty people gathered to witness the contact. The event received extensive media coverage which included the following: Al-Hadaf, Al-Yaqaza and Al-Nahdha (Weekly Arabic magazines), The Daily Star (Daily Arabic Magazine), Al-Qabas and Al-Rai Al-Am (Local daily newspapers), Arab Times and Kuwait Times (local daily English newspapers), Layalina (Arabic bi-monthly magazine), Kuwait National Television for an evening program, Kuwait National TV Children's Program, KUNA (Kuwait News Agency) and Kuwait Science Club Media. To view KUNA's news coverage on the event, see:

http://www.kuna.net.kw/home/Story.aspx?Language=en&DSNO=881386
English version no pictures.
http://www.kuna.net.kw/home/Story.aspx?Language=ar&DSNO=881359
Arabic version with pictures.

The audio from this contact was fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers and received 15 connections, of which 2 were repeaters, from 7 countries. IRLP Discovery Reflector 9010 had 3 connections from Canada. The audio was also webcast by Verizon Conferencing and through the Scientific Center Kuwait.

2. ARISS International Team Meeting Held

The monthly ARISS International Team meeting was held on June 27. Topics of discussion included the ARISS International face to face meeting to be held in San Francisco in October, school contacts with ESA astronaut Thomas Reiter, DF4TR, and the work toward an amateur radio license for Japanese space visitor, Dice-K Enomoto, scheduled to fly this fall. Minutes will be posted to the ARISS website in the near future.

3. AMSAT and ARISS-International Meetings, October 2006

The AMSAT-NA Annual Meeting and Space Symposium and the ARISS International Meeting will be held October 5 - 10, 2006 in San Francisco. Online registration in now available. See:
http://www.amsat.org/amsat-new/symposium/

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

198. WSR-191 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-07-11 23:54:09 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <BSWsg.3341$vO.96@newsread4.news.pas.earthlink.net>
Source record: 1554

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-191.S1
WSR 191 Part 1 07/10/2006

AMSAT NEWS SERVICE BULLETIN 191.S1 FROM AMSAT HQ
SILVER SPRING, MD, July 10, 2006
TO ALL RADIO AMATEURS
BID: $ANS-191.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U TONE
Digipeater - PBBS 9K6

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to Drew, KO4MA:

July 1 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07102006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: OFF
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

CURRENTLY ALL AMATEUR TRANSMITTERS ARE TURNED OFF UNTIL ALL SPACEWALKS
ARE
DONE.
WATCH NASA SELECT OR MONITOR THE AMSAT-BB FOR MORE INFO DURING THIS
SHUTTLE
MISSION.

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[07102006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-191.S2
WSR 191 Part 2 07/10/2006

AMSAT NEWS SERVICE BULLETIN 191.S2 FROM AMSAT HQ
SILVER SPRING, MD, July 10, 2006
TO ALL RADIO AMATEURS
BID: $ANS-191.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Packet - OFF
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

CURRENTLY ALL AMATEUR TRANSMITTERS ARE TURNED OFF UNTIL ALL SPACEWALKS
ARE
DONE.
WATCH NASA SELECT OR MONITOR THE AMSAT-BB FOR MORE INFO DURING THIS
SHUTTLE
MISSION.

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[07102006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: OFF

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

CURRENTLY ALL AMATEUR TRANSMITTERS ARE TURNED OFF UNTIL ALL SPACEWALKS
ARE
DONE.
WATCH NASA SELECT OR MONITOR THE AMSAT-BB FOR MORE INFO DURING THIS
SHUTTLE
MISSION.
[07102006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U TONE
Digipeater - ON 9K6

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to Drew, KO4MA:

Tenatively, and subject to change:

July 1 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink Active

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07102006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:

http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[05292006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-191.S3
WSR 191 Part 3 07/10/2006

AMSAT NEWS SERVICE BULLETIN 191.S3 FROM AMSAT HQ
SILVER SPRING, MD, July 10, 2006
TO ALL RADIO AMATEURS
BID: $ANS-191.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2

Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:

http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz

Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]

=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1

Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]

=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-191.S4
WSR 191 Part 4 07/10/2006

AMSAT NEWS SERVICE BULLETIN 191.S4 FROM AMSAT HQ
SILVER SPRING, MD, July 10, 2006
TO ALL RADIO AMATEURS
BID: $ANS-191.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)

* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

199. ANS-192 AO-51 July Schedule Modified to Include L-Band Operations

Newsgroup: rec.radio.amateur.space
Date: 2006-07-11 23:57:13 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <tVWsg.3345$vO.3308@newsread4.news.pas.earthlink.net>
Source record: 1555

SB SAT @ AMSAT $ANS-192.01
AO-51 July Schedule Modified to Include L-Band Operations

AMSAT News Service Bulletin 192.01
From AMSAT HQ SILVER SPRING, MD.
July 11, 2006
To All RADIO AMATEURS
BID: $ANS-192.01

Drew, KO4MA reports on behalf of the AO-51 Operations Committee that, "We've been able to include some L band modes in the AO-51 schedule this month." Here are the details ...

From July 13 to July 17 AO-51 will have L/U digital on the 435.150 transmitter, along with the regular FM repeater on 435.300.

From the July 17 to July 24 AO-51 have a L/U FM repeater on the 435.150 downlink.

Then on July 24 AO-51 will return to the normal V/U digital and voice configuration.

The 435.300 V/U repeater will remain operational all month, and whenever a digital mode is on, the digipeater will be enabled. Please continue to report digi experiences via the ao51-modes@amsat.org email address. If anyone sets up a gateway please let the AO-51 Operations Committee know about that too.

Here's the updated schedule from the webpage:

July 1 to July 13

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

July 13 to July 17

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Uplink: 1268.700 mhz FM, 9k6 PBP Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

July 17 to July 24

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater
Downlink 435.150 mHz FM
Uplink 1268.700 mHz FM

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

/EX

200. ANS-197 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-07-20 15:40:09 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <ttNvg.2332$bP5.1927@newsread1.news.pas.earthlink.net>
Source record: 1556

AMSAT NEWS SERVICE
ANS-197

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* AO-51 Updated schedule
* Field Day Logs Due
* Conference Submissions
* ARISS STATUS
* Satellite Demo a Success

SB SAT @ AMSAT $ANS-197.01
AO-51 Updated Schedule

AMSAT News Service Bulletin 197.01
From AMSAT HQ SILVER SPRING, MD.
July 16, 2006
To All RADIO AMATEURS
BID: $ANS-197.01

Drew, KO4MA, reports:
We've been able to include some L band modes in the AO-51 schedule this month. From the 13th to the 17th we'll have L/U digital on the 435.150 transmitter, along with the regular FM repeater on 435.300. From the 17th to the 24th, we'll have a L/U repeater on the 435.150 downlink. On the 24th it's back to the normal V/U digital and voice configuration.

The 435.300 V/U repeater will remain operational all month, and whenever a digital mode is on, the digipeater will be enabled. Please continue to report digi experiences via the ao51-modes email. If anyone sets up a gateway, please let us know that too.

Here's the updated schedule from the webpage:

July 1 to July 13

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

July 13 to July 17

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink: 435.150 mhz FM, 9k6 PBP Digital Uplink: 1268.700 mhz FM, 9k6
PBP Digital PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

July 17 to July 24

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater
Downlink 435.150 mHz FM
Uplink 1268.700 mHz FM

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

[ANS thanks Drew, KO4MA, for the above information]

/EX

SB SAT @ AMSAT $ANS-197.02
Field Day Logs Due

AMSAT News Service Bulletin 197.02
From AMSAT HQ SILVER SPRING, MD.
July 16, 2006
To All RADIO AMATEURS
BID: $ANS-197.02

Just a quick note. Do not forget to turn in your Field Day 2006 results. July 17, 2006 at 11:59 PM Central Time is the deadline for submissions. Do not wait to the last minute and get skipped. So far, there are 18 submissions.

73...bruce

[ANS thanks Bruce, KK5DO, for the above information]

/EX

SB SAT @ AMSAT $ANS-197.03
Conference Submissions

AMSAT News Service Bulletin 197.03
From AMSAT HQ SILVER SPRING, MD.
July 16, 2006
To All RADIO AMATEURS
BID: $ANS-197.03

2006 Microwave Update Conference Submissions
The 2006 Microwave Update Conference will be held on the 20th and 21st of October in Dayton Ohio. We are looking for technical contributions to be included in the Proceedings. Looking for anything of interest to microwave enthusiasts. Short, one pagers with one or two pictures would suffice! Of course, if you have more, or want to give a presentation, that is fine too! Send me an e-mail or call! Gerd, WB8IFM@AMSAT.org 937-253-3993

[ANS thanks Gerd, WB8IFM, for the above information]

/EX

SB SAT @ AMSAT $ANS-197.04
ARISS STATUS

AMSAT News Service Bulletin 197.04
From AMSAT HQ SILVER SPRING, MD.
July 16, 2006
To All RADIO AMATEURS
BID: $ANS-197.04

ARISS Status
July 10, 2006

1. Hiroshima Contact Successful

On July 4, fifteen children, gathered at the Hiroshima Children's Museum in Hiroshima, Japan, spoke with Jeff Williams, KD5TVQ. The youth asked one question each of the astronaut in front of an audience of approximately 200. A newspaper provided coverage of the event.

2. Upcoming School Contact

Due to the arrival of STS-121 and related EVA activities, no radio contacts have been scheduled for the coming week. Scheduling of new

contacts will continue as soon as possible.

3. ARRL Posts Story on Kuwait Contact

ARRL ran an article on the ARISS-Kuwait contact entitled, "Spacewalk is 'Ultimate Experience,' Astronaut Tells Kuwaiti Students." See: http://www.arrl.org/news/stories/2006/07/06/100/?nc=1

4. ARRL Articles Cover Shuttle Ham Astronauts

ARRL has been following the July 4 launch and docking of STS-121 which carried three ham astronauts into space. The July 5 story, "Shuttle Discovery Launches to ISS with Three Radio Amateurs Aboard" may be found at: http://www.arrl.org/

"Five Radio Amateurs Now Aboard the Space Station" may be viewed on: http://www.arrl.org/news/stories/2006/07/07/100/?nc=1

5. Astronaut Training Status

Michael Lopez-Alegria, KE5GTK, Bob Behnken, KE5GGX, and Nicole Stott, KE5GJN, have tentatively been scheduled for ISS Ham training sessions. Lopez-Alegria is scheduled for a class on July 18, and Behnken and Stott will receive their instruction on July 20. Training will cover basic radio operations and school contacts.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-197.05
Satellite Demo a Success

AMSAT News Service Bulletin 197.05
From AMSAT HQ SILVER SPRING, MD.
July 16, 2006
To All RADIO AMATEURS
BID: $ANS-197.05

Stefan, VE4NSA and Gerry, VE4GTB reported good success with their AMSAT table and satellite demonstrations during the first week of July at the 43rd International Hamfest at Peace Garden in North Dakota/Manitoba. They also provided amateur radio satellite demonstrations at the Manitoba Space Adventure Camp.

Stefan said, "We had a very busy week and past weekend with two big events. I would like to thank all the stations and operators that made our portable satellite demonstrations such a big success."

With over 160 participants, the campgrounds at the International Peace Garden facility saw a lot of amateur radio activity during this year's hamfest. Stefan continued, "Gerry and I worke dstations on AO-51, SO-50, FO-29 and VO-52 with our portable FT-847 and Gulf Alpha antenna setup."

As a result of their efforts many visitors saw satellite operation in action for the first time. The AMSAT table gave the two plenty of opportunity to talk with folks from the U.S. and Canada about amateur radio in space.

The 1st Manitoba Space Adventure Camp included 29 high school students at the Canadian Forces School for Aerospace Studies. This was the kick-off event for the upcoming Winnipeg CubeSat project. Stefan and Gerry were able to demonstrate live satellite communications and many students are now very interested in obtaining their license.

Stefan concludes with, "All of this would not be possible without the willingness of fellow operators who were talking to us via satellite and engaging the students and hamfest participants. You folks make a demo real and live."

[ANS thanks Stefan, VE4NSA and Gerry, VE4GTB for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

201. WSR-198 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-07-20 15:40:11 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <vtNvg.2333$bP5.1560@newsread1.news.pas.earthlink.net>
Source record: 1557

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-198.S1
WSR 198 Part 1 07/17/2006

AMSAT NEWS SERVICE BULLETIN 198.S1 FROM AMSAT HQ
SILVER SPRING, MD, July 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-198.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U
L/U
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

July 17 to July 24

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater
Downlink 435.150 mHz FM
Uplink 1268.700 mHz FM

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active -No Unattended Digipeater Ops
Please

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07172006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: FM PACKET
OCCASIONAL VOICE
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-198.S2
WSR 198 Part 2 07/17/2006

AMSAT NEWS SERVICE BULLETIN 198.S2 FROM AMSAT HQ
SILVER SPRING, MD, July 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-198.S2

CO-58 XI-V
Catalog Number: 28895

Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: FM PACKET
OCCASOINAL VOICE
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode:

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[07172006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U
L/U
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP

L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

July 17 to July 24

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

FM Repeater
Downlink 435.150 mHz FM
Uplink 1268.700 mHz FM

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active -No Unattended Digipeater Ops
Please

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07172006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP

V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-198.S3
WSR 198 Part 3 07/17/2006

AMSAT NEWS SERVICE BULLETIN 198.S3 FROM AMSAT HQ
SILVER SPRING, MD, July 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-198.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====

LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]

=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-198.S4
WSR 198 Part 4 07/17/2006

AMSAT NEWS SERVICE BULLETIN 198.S4 FROM AMSAT HQ
SILVER SPRING, MD, July 17, 2006
TO ALL RADIO AMATEURS
BID: $ANS-198.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

202. Ayone have experience/luck with FT-847 CAT commands from a USB serial port?

Newsgroup: rec.radio.amateur.space
Date: 2006-07-23 21:05:53 UTC
From: "Brian S. McCarthy" <mccarthybri@earthlink.net>
Message-ID: <cqo7c215sib77hh6aeeov2p310ihfn1151@4ax.com>
Source record: 1558
Cross-posted to: rec.radio.amateur.space,rec.radio.amateur.space

I have some code to operate the CAT commands on my ft-847, which I'm trying to use through a usb serial port from my laptop without much luck.

The USB serial port is based on the prolific chip, and is connected to the ft847 with a null modem cable. The code waits some interval (about 20ms) between characters (more on that later). One of the 5 byte output sequences makes the cat light come on, and just once I thought I saw the frequency change.

When I hook up a second USB port to the null modem cable, I see the correct cat code come back on the other port. This was where I discovered the intercharacter delay was needed.

I've checked the obvious things, both the port and the radio are set to the same abud rate, data bits/parity, etc.

ON a very related note, I've also tried reading from my gps through the port. While I get the right number of characters (Mostly) They are gibberish, but the parts of the message that shoudl be constant are. Microsoft Mappoint's gps support wont read it either.

I'm suspicious that the voltage levels presented and accepted by the USB port aren't RS-232 (or 425) enough to work with the devices. Anybody have a clue?

-Brian McCarthy, N1ZZD

203. ANS-204 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-07-26 19:20:59 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <vgPxg.4936$bP5.4412@newsread1.news.pas.earthlink.net>
Source record: 1559

AMSAT NEWS SERVICE
ANS-204

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

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* Help Wanted at the Small Satellite Conference
* Deep Space DX to be Featured at AMSAT-UK International Space Colloquium
* AMSAT BoD Ballots Have Been Mailed
* ARISS Status July 17, 2006
* July 26 Launch for 13 Amateur Radio Satellites
* Inflatable Satellite Launched

SB SAT @ AMSAT $ANS-204.01
Wray E. Dudley, W8GQW, SK

AMSAT News Service Bulletin 204.01
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.01

Wray was born in 1914 and passed from this life in 2006 at the age of 92 in Tubac, Arizona. Wray was first licensed in 1931 receiving the callsign W8GQW. He served his country during WWII as a B-17 Instructor Pilot. During much of his working career, Wray lived in Troy, OH, and, upon retirement, moved to Tubac to enjoy Golf, Sunshine, and Amateur Radio. Wray joined AMSAT in 1979 and became Life Member #1470 in 1980.

During most of his years in AMSAT, Wray was best known as one of the "Voices" of the AMSAT HF Nets. At one time or the other, he served as Net Control Station on most of the HF Nets, but I remember him best for the 20 and 15 meter Sunday afternoon nets. He originally did these nets from Troy, OH, and continued after the move to Tubac, AZ. During the pre-net activities he would work with the other NCS station. At bulletin time, he would usually move to 15 meters while the other station stayed on 20 meters.

His booming, broadcast quality, voice was unmistakable. Whenever possible, Wray would "simulcast" the net on both 15M and AO-13. In later years, he was a regular "check-in" on the 17 meter net and on the nets held on AO-10 and AO-13. When it became time to retire from the active control of the nets, he recruited and trained his own replacement, Larry Brown, W7LB.

In addition to his NCS activity, Wray was active on the "birds" especially AO-10 and AO-13. He was always eager to help a newcomer with a wealth of good advice.

While still living in Troy, OH, Wray was AMSAT's contact with the Dayton HamVention for many years. He and other local volunteers made sure all of the arrangements were made ahead of time for a smooth operation. If anything extra was needed, they were the "Go-Fors" to make sure it was obtained on a timely basis.

I'm sure his "Voice" will now join with those "Voices" that preceded him on this journey - Vern (Rip) Riportella, WA2LQQ; Jim McKim, W0CY; John Browning, W6SP; Byron Lindsey, W4BIW; and Ron Broadbent, G3AAJ - as they continue to spread the AMSAT word. Remember them well!

[ANS thanks Keith Pugh, W5IU for the above information]

/EX

SB SAT @ AMSAT $ANS-204.02
OSCAR-11 Report for July 2006

AMSAT News Service Bulletin 204.02
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.02

Clive, G3CWV requested reception reports for OSCAR-11. Due to solar eclipses the VHF beacon on 145.826 MHz. may only transmit for a short times, perhaps for only a few orbits, or even less, at irregular intervals. Please e-mail your reception reports to xxxxx@amsat.org (replace xxxxx by g3cwv), or post on the AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from the satellite. It was last heard on 05 May, just one day before the solar eclipses were due to start. These eclipses will continue until 04 August 2006, reaching a maximum duration of 22% around 19 June. If the satellite behaves in the same way as it did last year, regular 10 day transmissions should re-start, sometime in August.

Clive wrote, "Once again I am indebted to Jeff KB2M, for monitoring the satellite, during this period. He has not heard any signals."

The current status of the satellite is that all the analogue telemetry channels, 0 to 59 are zero, i.e. they have failed. The status channels 60 to 67 are still working. The spacecraft computer and active attitude control system have switched OFF, i.e. the satellite's attitude is controlled only

by the passive gravity boom gradient, and the satellite is free to spin at any speed. When telemetry was last received it showed that one of the solar arrays had failed, and there was a large unexplained current drain on the main 14 volt bus. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

When last heard, the on-board clock showed a very large accumulated error. On 05 May it was 22.76456 days slow. The clock lost two hours during the last OFF period, and nine hours during the last transmission period. The observations of clock errors suggest that the clock may slow or stop when the battery voltage is low.

The frequencies to listen for OSCAR 11 is 145.826 MHz. The downlink signal will be AFSK FM containing the ASCII Telemetry

Listeners to OSCAR-11 may be interested in visiting Clive's web site which contains an archive of news & telemetry data. It also contains details about using a sound card or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is: www.users.zetnet.co.uk/clivew/

[ANS thanks Clive G3CWV whomever for the above information]

/EX

SB SAT @ AMSAT $ANS-204.03
Help Wanted at the Small Satellite Conference

AMSAT News Service Bulletin 204.03
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.03

AMSAT Executive Vice-President, Lee KU4OS says, "AMSAT will again have a table this year at the Small Satellite Conference in Logan, UT August 14-17. Since the exhibit runs 2.5 days I would greatly appreciate some assistance manning the table. Please let me know if you are able to help. AMSAT is allotted four 'exhibitor passes' as part of our exhibitor registration. This is a great Conference and a fascinating opportunity to see exhibits by some of the major leaders in industry as well as many University satellite projects."

Lee will be arriving Friday, August 11 for the CubeSat workshop and departing late the following Friday after the AFRL/Responsive Space Meeting. You can see all the associated meeting around Smallsat at: http://www.smallsat.org/meetings.

Contact Lee at his e-mail address callsign@amsat.org.

[ANS thanks Lee, KU4OS for the above information]

/EX

SB SAT @ AMSAT $ANS-204.04
Deep Space DX to be Featured at AMSAT-UK International Space Colloquium

AMSAT News Service Bulletin 204.04
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.04

AMSAT-UK's International Space Colloquium takes place from Friday 28th until Sunday 30th July. In addition to the report from Achim Vollhardt, DH2VA on the remarkable achievement by Radio Amateurs in Germany in receiving signals from the Voyager 1 at the Space Colloquium we can now announce that the event will also include a live demonstration of DX reception from deep space.

Freddy de Guchteneire, ON6UG, will be receiving signals live from the NASA Mars Reconnaissance Orbiter. This spacecraft was launched last year and only entered Mars orbit in March 2006. By the end of July Mars will be at a distance of approximately 350 million kilometres from earth so we cannot expect the signals to be very strong!

The demonstration is expected to take place on the Saturday of the Colloquium - the exact time will depend upon scheduling and visibility constraints.

See http://www.uk.amsat.org/Colloquium/ for the latest programme and on line booking form and maps. The International Space Colloquium welcomes all Radio Amateurs and SWL's.

For further details contact Jim Heck G3WGM Tel: 01258 453959 or e-mail: g3wgm@amsat.org

[ANS thanks Graham, G3VZV for the above information]

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SB SAT @ AMSAT $ANS-204.05
AMSAT BoD Ballots Have Been Mailed

AMSAT News Service Bulletin 204.05
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.05

AMSAT Manager, Martha Saragovitz says, "The AMSAT ballots for the Board of Director's seats have been mailed. They should arrive shortly." Members are invited to read the candidate's statements on the AMSAT web site at: http://www.amsat.org/amsat-new/articles/2006_Board_Candidates/

[ANS thanks Martha for the above information]

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SB SAT @ AMSAT $ANS-204.06
ARISS Status July 17, 2006

AMSAT News Service Bulletin 204.06
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.06

1. Upcoming School Contacts

The Central Experimental Farm in Ontario, Canada is a research facility in the City of Ottawa. A public camp is held at the farm for 7-18 year olds during the month of July. An ARISS contact with the camp has been approved and is scheduled for Tuesday, July 25 at 15:59 UTC.

A contact has been scheduled for the Children's Club Camp, an event organized for ESA employees' children in Patras, Greece for Saturday, July 29 at 12:27 UTC. ESA Astronaut Thomas Reiter, DF4TR, will participate in the contact via the telebridge station, WH6PN, in Hawaii.

2. ARRL Article Covers Hiroshima Contact

ARRL ran an article on the Hiroshima, Japan contact entitled, "Hiroshima Children's Museum Visitors Speak with ISS via Ham Radio." See: http://www.arrl.org/news/stories/2006/07/12/1/?nc=1

3. NASA Article on SuitSat-1

NASA ran a follow up story on SuitSat-1. "The Space Suit Heard 'Round the World" may be found at: http://www.nasa.gov/audience/foreducators/k-4/features/F_Space_Suit_Round_the_World.html

4. Barrios Technology Highlights Snoopy Award Recipient

Barrios Technology ran a feature story on ARISS member Kenneth Ransom's recent Silver Snoopy award presentation. Kenneth received the award for his Expedition 12 work with the ISS Ham program. To view the article, see: http://www.barrios.com/NewsItem1.cfm?News_ID=88

5. ARRL Covers Thomas Reiter, DF4TR

ARRL ran a web story on Expedition 13 crew member Thomas Reiter, DF4TR. The article, "New ISS crew member settling in, school QSOs being lined up" may be viewed on: http://www.arrl.org/?artid=6590

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-204.07
July 26 Launch for 13 Amateur Radio Satellites

AMSAT News Service Bulletin 204.07
From AMSAT HQ SILVER SPRING, MD.

July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.07

Remember to listen for the thirteen Amateur Radio Satellites that will be launched on July 26, 2006 on a DNEPR-1LV rocket from the Kazakstan Baikonur Cosmodrome. This will be the largest ever deployment of Amateur Radio Satellites. A fourteenth satellite will operate on commercial frequencies.

The satellites will be put into a 500 by 566 km orbit with an inclination of 97 degrees. Each satellite is a 10cm cube weighing just 1kg into which is packed the battery, transmitter and the various experiments.

Further information on the Dnepr Launch 1 can be seen at:
http://littonlab.atl.calpoly.edu/.

Additional information about the cubesats can be found on the AMSAT cubesat pages.

Ralph, W&#65533;RPK, maintains a web page with up-to-date CubeSat status at:
http://showcase.netins.net/web/wallio/CubeSat.htm.

See the AMSAT main web page summarizes the July 26 CubeSat launch manifest,
http://www.amsat.org.

[ANS thanks AMSAT for the above information]

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SB SAT @ AMSAT $ANS-204.08
Inflatable Satellite Launched

AMSAT News Service Bulletin 204.08
From AMSAT HQ SILVER SPRING, MD.
July 23, 2006
To All RADIO AMATEURS
BID: $ANS-204.08

A private space firm, Bigelow Aerospace, launched its Genesis I spacecraft. The inflatable spacecraft has successfully expanded and all of the solar arrays have been deployed.

Genesis I, the first spacecraft in a series to be built by Bigelow Aerospace, is a one-third scale prototype of a future craft that will eventually become a part of a commercial space station.

By the fall, Bigelow Aerospace hopes to launch Genesis II. Over the next several years, Bigelow plans to test larger prototype spacecraft, including a full-scale prototype that could launch as early as 2012.

The Genesis I satellite is visible to the naked eye. Pass times for your location can be found on-line at:
http://www.heavens-above.com.

[ANS thanks nasaspaceflight.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Al Marote, WA1LBG

204. ANS-205 AMSAT News Service Bulletin - AMSAT Announces Support For HPSDR Project

Newsgroup: rec.radio.amateur.space
Date: 2006-07-26 19:21:03 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <zgPxg.4937$bP5.2653@newsread1.news.pas.earthlink.net>
Source record: 1560

SB SAT @ AMSAT $ANS-205.01
AMSAT Announces Support For HPSDR Project

AMSAT News Service Bulletin 205.01
From AMSAT HQ SILVER SPRING, MD.
July 24, 2006
To All RADIO AMATEURS
BID: $ANS-205.01

AMSAT will immediately initiate support for The High Performance Software Defined Radio (HPSDR) project, an independent team that is dedicated to bringing high performance software defined radio devices within the reach of amateurs in terms of access to the hardware and software at manageable prices.

This is a rare opportunity for AMSAT to easily join a major technological development and have a positive impact on both that development and AMSAT's own primary interests. The High Performance Software Defined Radio (HPSDR) project is a completely open source software (GNU Public License) and open hardware design. It has an extremely capable group of core designers, many of whom are also key AMSAT design team members, supported by a cast of hundreds. To learn more, see http://hpsdr.org/

The goal for AMSAT is to dramatically improve the development schedule and quality of our Eagle ground station and spacecraft transponders, both SDX and wideband digital. AMSAT will benefit on related projects as well, such as the P3E SDX transponder development.

AMSAT will support HPSDR with a modest amount of financial, personnel and other resources. Financial resources will be under AMSAT control and will be used to support activities such as joint HPSDR and Eagle design meetings.

AMSAT's Engineering team will submit a 2007 budget for the AMSAT Board's approval at the annual meeting in October. The modest resources that are needed in 2006 can be provided by the Eagle team project.

Rick
W2GPS
AMSAT President

[ANS thanks Rick, W2GPS, for the above information]

/EX

205. WSR-205 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-07-26 19:21:10 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <GgPxg.4938$bP5.1004@newsread1.news.pas.earthlink.net>
Source record: 1561

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-205.S1
WSR 205 Part 1 07/24/2006

AMSAT NEWS SERVICE BULLETIN 205.S1 FROM AMSAT HQ
SILVER SPRING, MD, July 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-205.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U with Tone on Uplink
PBBS - V/U 9k6
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active -No Unattended Digipeater Ops
Please

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07242006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)

Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: FM PACKET
OCCASIONAL VOICE
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[07242006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-205.S2
WSR 205 Part 2 07/24/2006

AMSAT NEWS SERVICE BULLETIN 205.S2 FROM AMSAT HQ
SILVER SPRING, MD, July 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-205.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: FM PACKET
OCCASOINAL VOICE
Digipeater: ON

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[07242006]
=====

PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode:

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[07172006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Curent Mode(s): FM Repeater - V/U with Tone on Uplink
PBBS - V/U 9K6
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

July 24 to July 31

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active -No Unattended Digipeater Ops
Please

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07242006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM

145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF

Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-205.S3
WSR 205 Part 3 07/24/2006

AMSAT NEWS SERVICE BULLETIN 205.S3 FROM AMSAT HQ
SILVER SPRING, MD, July 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-205.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====

NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB

Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu

[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====

SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:

http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-205.S4
WSR 205 Part 4 07/24/2006

AMSAT NEWS SERVICE BULLETIN 205.S4 FROM AMSAT HQ
SILVER SPRING, MD, July 24, 2006
TO ALL RADIO AMATEURS
BID: $ANS-205.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)

* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

206. Re: Ayone have experience/luck with FT-847 CAT commands from a USB serial port?

Newsgroup: rec.radio.amateur.space
Date: 2006-07-26 22:16:58 UTC
From: Hils <hilsnews@nospam.demon.co.uk>
Message-ID: <J$5CICaan+xEFwh8@newearth.demon.co.uk>
Source record: 1562

Brian S. McCarthy <mccarthybri@earthlink.net> wrote

>I have some code to operate the CAT commands on my ft-847, which I'm
>trying to use through a usb serial port from my laptop without much
>luck.

I've used a Prolific-based adapter to control (via a straight RS232 cable and the Kenwood interface) a TS450 from Ham Radio Deluxe, and to read data from a UT70D multimeter into logging software, with no problems at all. I haven't tried any homebrewed code (and probably won't for the foreseeable future as it works the way I want it to). I've read reports of some USB<->RS232 adapters being very unreliable, could you have a bad unit?

--
Hil

207. Re: Ayone have experience/luck with FT-847 CAT commands from a USB serial port?

Newsgroup: rec.radio.amateur.space
Date: 2006-07-27 05:43:59 UTC
From: "Brian S. McCarthy" <mccarthybri@earthlink.net>
Message-ID: <lskgc21fe3en4e2sd8s3snf3doavk8phqq@4ax.com>
Source record: 1563

On Wed, 26 Jul 2006 23:16:58 +0100, Hils <hilsnews@nospam.demon.co.uk>
wrote:

>Brian S. McCarthy <mccarthybri@earthlink.net> wrote
>
>>I have some code to operate the CAT commands on my ft-847, which I'm
>>trying to use through a usb serial port from my laptop without much
>>luck.
>
>I've used a Prolific-based adapter to control (via a straight RS232
>cable and the Kenwood interface) a TS450 from Ham Radio Deluxe, and to
>read data from a UT70D multimeter into logging software, with no
>problems at all. I haven't tried any homebrewed code (and probably won't
>for the foreseeable future as it works the way I want it to). I've read
>reports of some USB<->RS232 adapters being very unreliable, could you
>have a bad unit?

It's possible, but I have two prolific units and borrowed a friend's
Belkin unit, all with the same result. I'm also worried it could ve
the radio. Thanks for your reply.

-Brian

208. STOP what you re doing - It doesn t work! 08MH

Newsgroup: rec.radio.amateur.space
Date: 2006-07-28 23:54:59 UTC
From: gwrcwsye@email.adr
Message-ID: <ntxyg.93460$sz1.2824@newsfe6-gui.ntli.net>
Source record: 1564

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*Membership to our safelist franchise

*Super FFA system

*Group Networking

Click below to find out what has the super-affiliates
quaking in their boots

http://tinyurl.com/pzkxe

Thank you for your time, and we wish you a profitable 2006!

Regards,
Clive Foster

Please visit the following site, for the best promotional
and marketing idea we have seen this year:

http://tinyurl.com/pzkxe

Menefopus memogum niluma mecasi domacor do sewot pitomu tehit raduy ser hot nemeramodoc
poguveg wesecil pa turok dato .

209. ISS amateur radio website!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-02 04:33:41 UTC
From: RDX <nospam@nomail.com>
Message-ID: <44d0d033$0$2026$ba620dc5@text.nova.planet.nl>
Source record: 1565

Hello all,

It's the first time ive been on this amateur.space
newsgroups.

I have a ISS amateur radio website!

http://www.pd0rkc.com

73's Cor PD0RKC

210. ANS-211 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-08-02 23:04:05 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <FbaAg.2342$xp2.2055@newsread1.news.pas.earthlink.net>
Source record: 1566

AMSAT NEWS SERVICE
ANS-211

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

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In this edition:

* Multiple CubeSats Lost
* AMSAT Eagle Presentation at CSVHFS and UK Colloquium This Weekend
* SSTV Test From the ISS
* AMSAT 2006 Symposium Information
* Florida AMSAT Net On The Air and on Echolink
* Project OSCAR and Cal Poly Honor AMSAT's Cliff K7RR
* ARISS Status for the Week of July 24, 2006

SB SAT @ AMSAT $ANS-211.01
Multiple CubeSats Lost

AMSAT News Service Bulletin 211.01
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.01

The anticipated Dnepr night launch of 14 University CubeSats on 26 July only lasted 86 seconds according to a report by the Geocities Space Launch Report.
See: http://www.geocities.com/launchreport/slr.html

About a minute and a half into the flight the main engine shut down causing the rocket and its' multiple satellite payload to fall back to earth about 25 km south of the launch site. The Cal Poly team after learning the news vowed to press on with their next CubeSat.

This is the first failure of the Dnepr launch vehicle since they were re-commissioned to carry non-military payloads and the first failure of the rocket since 1988. A video clip of the launch can be seen at: http://polysat.calpoly.edu/DNEPR-BelkA.wmv.

A second launch is planned with ISC Kosmotras on a Dnepr launch vehicle from the Baikonur Cosmodrome in Kazakhstan during September 2006. Seven CubeSats will fly as secondary payloads on this mission.

The CubeSats will be deployed after the primary spacecraft has been deployed into a nearly circular, 700 km, polar orbit. Three P-PODs will hold the CubeSats on the launch vehicle and deploy them at the correct point in the deployment sequence.

[ANS thanks the CubeSat Team at CalPoly for the above information]

/EX

SB SAT @ AMSAT $ANS-211.02
AMSAT Eagle Presentation at CSVHFS and UK Colloquium This Weekend

AMSAT News Service Bulletin 211.02
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.02

Bob, N4HY, AMSAT Vice-President of Engineering and Tom, K3IO, AMSAT Board of Directors member are presenting a paper on AMSAT's efforts on EAGLE and P3E at the Central States VHF Society meeting in Minneapolis on July 28-29.

Meanwhile Rick, W2GPS, AMSAT President will be at the AMSAT-UK International Space Colloquium at the University of Surrey in Guildford, England the same weekend giving a presentation on the EAGLE satellite project.

Tom wrote, "Our paper contains a number of updates concerning EAGLE which you will read about in much more detail in the next AMSAT Journal. But for an advance view, you can see our CSVHFS paper, available as a ~3.9 MB PDF file at http://mysite.verizon.net/~w3iwi/EAGLE_CSVHFS.pdf."

[ANS thanks Bob, N4HY; Tom, K3IO; and Rick, W2GPS for the above information]

/EX

SB SAT @ AMSAT $ANS-211.03
SSTV Test From the ISS

AMSAT News Service Bulletin 211.03
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS

BID: $ANS-211.03

The ARRL reports that a test of the ARISS SSTV system aboard the International Space Station may be conducted over Russia the weekend of July 29th. This news was released by the ARRL Amateur Radio News, July 26, 2006. Expedition 13 Commander Pavel Vinogradov, RV3BS is expected to test the SSTV system over Moscow using the downlink frequency of 144.49 MHz. All amateurs within range are encouraged to receive the FM broadcast. More details are on-line at: http://www.arrl.org/?artid=6627.

Those of us in other parts of the world eagerly await further testing of the amateur radio SSTV system and look forward to receiving pictures from the ISS. Cor, PD0RKC reports on his Space Station Ham Radio Info Site (http://www.pd0rkc.com) that PY4MAB received a SSTV picture from the ISS when it was over Brazil on Friday, July 28 at 19:00 UTC.

This testing may be very limited. It is not known when the Project will be officially opened to the worldwide public. The tentative down link for SSTV will be on 144.490 FM. The uplink will not be published until testing has been completed.

For the rest of this week, listen to both 145.800 MHz and 144.490 MHz FM. If you hear packet on 145.800, then you know SSTV will NOT be active. If you do not hear Packet, then monitor 144.490 MHz and be ready to decode your images. The ISS crew is awake from 0600 to 2200 UTC time. Try to monitor every pass the crew is awake. Please send images you have received to marexmg@comcast.net.

Additional information about the SSTV system can be found on the MAREX-MG site at: http://www.marexmg.org/. Do not try to send images up to ISS at this time.

[ANS thanks Miles, WF1F, Cor, PD0RKC, ARRL and ARISS for the above information]

/EX

SB SAT @ AMSAT $ANS-211.04
AMSAT 2006 Symposium Information

AMSAT News Service Bulletin 211.04
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.04

For the first time AMSAT is matching up drivers and riders who may be driving to the Symposium. Sharing a ride is a wonderful way to ease parking congestion and expenses, while sparing the air. You can sign up as a local participant who is driving in each day, or as a long distance driver coming from Southern California and surrounding states. Please visit the "Ride Sharing" link from the main Symposium

page for additional information.

This year AMSAT will provide a limited amount of space for vendors and exhibitors. Exhibitors and demonstrations will have space in a breakout room adjacent to the main Symposium room, and vendors will be located in the foyer outside the Symposium room. Vendor space is limited, so space will be reserved for vendors donating prizes for the Symposium first. Please see the "Exhibitors and Vendors" link from the main Symposium page. Go to:
http://www.amsat.org/amsat-new/symposium

In addition to online registration you can download the registration form in PDF format and mail it in. Registration forms will also be included in the next edition of the AMSAT Journal and with AMSAT Board election ballots.

[ANS thanks Emily Clarke, N1DID, Symposium Chairperson, for the above information]

/EX

SB SAT @ AMSAT $ANS-211.05
Florida AMSAT Net On The Air and on Echolink

AMSAT News Service Bulletin 211.05
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.05

The Florida AMSAT Net meets on Thursday at 19:30 ET or 23:30 UTC. For hams checking in on-the-air there are several options:
+ Orlando N4HHA repeater on 443.1 MHz, (tone 103.5 Hz)
+ NI4CE repeater system, covering most of Florida's west coast (see http://www.NI4CE.org for details on access).
+ N4LEM repeater in Brevard County on Florida's east coast on 147.360 (tone 107.2).

Elsewhere around the world, the net can be heard through echolink on the N4HHA-R and KG4YZY-R nodes.

[ANS thanks the Florida AMSAT Net for the above information]

/EX

SB SAT @ AMSAT $ANS-211.06
Project OSCAR and Cal Poly Honor AMSAT's Cliff K7RR

AMSAT News Service Bulletin 211.06
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.06

On July 26, 2006 the Project OSCAR Board of Directors awarded long time Project OSCAR and AMSAT member Clifford C. Buttschardt, K7RR with its highest award, the Lifetime Achievement Award for contributions to Amateur Satellite Radio. The award was presented at California Polytechnic State University (Cal Poly), where Cliff has been mentoring students for many years.

In her opening remarks Project OSCAR Vice-President Emily Clarke, N1DID, noted "In March of 2006 the Board of Project OSCAR voted to recognize Cliff with an award for his achievements and his lifetime of contributions to amateur satellite programs. Over the years Cliff contributed much to Project OSCAR, AMSAT and was one of the guiding forces behind the CubeSat program at Cal Poly, where he has been working quietly behind the scenes as an advisor."

Project OSCAR President Don Ferguson, KD6IRE, then read the award inscription, "This award is given to Cliff Buttschardt, K7RR, for his lifetime contribution to Project OSCAR, AMSAT, and Amateur Satellite Radio."

Professor Jordi Puig-Suari, CubeSat Program Co-Director also acknowledged Cliff's contributions. "Cliff was a crucial part of the mentoring that the students received from the AMSAT community. We wouldn't be here without his help. The students and myself want to do something special for Cliff, and we are changing the name of the CP-1 satellite to K7RR-Sat in his honor."

Unfortunately Cliff could not be in attendance for health reasons, but after the event Don and Emily met with Cliff and his wife at their Morro Bay home where the Lifetime Contribution & Achievement Award was officially presented.

[ANS thanks Emily, N1DID and Project Oscar for the above information]

/EX

SB SAT @ AMSAT $ANS-211.07
ARISS Status for the Week of July 24, 2006

AMSAT News Service Bulletin 211.07
From AMSAT HQ SILVER SPRING, MD.
July 30, 2006
To All RADIO AMATEURS
BID: $ANS-211.07

1. School Contacts
A contact took place during an ESA Event, the Children's Club Camp, in Patras, Greece for Saturday, July 29. ESA Astronaut Thomas Reiter, DF4TR, partcipated in the contact via the telebridge station, WH6PN, in Hawaii.

Robinson Elementary School in Anderson, Indiana has been scheduled for a contact with the ISS on Wednesday, August 2.

The Central Experimental Farm in Ontario, Canada is a research facility in the City of Ottawa. The ARISS contact with the camp originally planned for July 25 was cancelled due to EVA activities. The contact has been rescheduled for Friday, August 4.

2. Astronaut Training Status
On July 18, Expedition 14 commander Mike Lopez-Alegria participated in an abbreviated ISS Ham training session which focused specifically on the school contact operations including hands on training with the ARISS hardware.

On July 20, astronauts Bob Behnken and Nicole Stott were provided with the Basic Ops class that covered ISS Ham operations on the ISS.

3. Repeater Group Provides Shuttle Transmissions
The Rib Mountain Repeater Association in Wisconsin picks up shuttle transmissions from NASA using satellite dishes and broadcasts them through transmitters for those space enthusiasts without internet access. The transmissions can then be picked up via police scanners. The Wausau Daily Herald covered this in a July 13 article, "Group airs shuttle transmissions." See:
http://www.wausaudailyherald.com/apps/pbcs.dll/article?AID=/20060713/WDH0101/607130608

4. Technical Interchange Meeting Status
Plans continue for the ARISS Technical Interchange Meeting to be held the week of August 7 in Houston. An agenda has been compiled and meetings are currently being arranged with JSC personnel.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

211. WSR-212 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-08-02 23:04:13 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <NbaAg.2343$xp2.1113@newsread1.news.pas.earthlink.net>
Source record: 1567

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-212.S1
WSR 212 Part 1 07/31/2006

AMSAT NEWS SERVICE BULLETIN 212.S1 FROM AMSAT HQ
SILVER SPRING, MD, July 31, 2006
TO ALL RADIO AMATEURS
BID: $ANS-212.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U with Tone on Uplink
PBBS - V/U 9k6
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

Mode schedule for July 2006 according to the AO-51 command team:

July 24 to August 6

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

August 7 to August 13

This week the command stations will cycle the satellite through several
configurations while collecting Whole Orbit Data (WOD) files. These
files
will be used to further define conditions on board the spacecraft
important
to maintaining optimum performance. Users are welcome to operate through
the

satellite during these tests , but specific mode changes will not be announc-
ed in advance. However, we do expect for the satellite to be available in V/U
repeater for Saturday hamfest operations.

August 14 to August 27 (Additional testing as above possible August 21 to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07312006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The
order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530

Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: OFF?
Digipeater: OFF?
SSTV: ON?

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV:
Worldwide Reported Downlink: 144.49 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently there are reports coming across the AMSAT-BB that everything
is off
right now. There was testing of the SSTV equipment this weekend that was
rec-
ieved in a number of European countries. Monitor the AMSAT-BB and ANS
reports
for more current information on what is happening.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[07312006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-212.S2
WSR 212 Part 2 07/31/2006

AMSAT NEWS SERVICE BULLETIN 212.S2 FROM AMSAT HQ
SILVER SPRING, MD, July 31, 2006
TO ALL RADIO AMATEURS
BID: $ANS-212.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational?
Current Mode: OFF?
Digipeater: OFF?
SSTV: ON?

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV:
Worldwide Reported Downlink: 144.49 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently there are reports coming across the AMSAT-BB that everything
is off

right now. There was testing of the SSTV equipment this weekend that was
rec-
ieved in a number of European countries. Monitor the AMSAT-BB and ANS
reports
for more current information on what is happening.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[07312006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode:

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[07172006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U with Tone on Uplink
PBBS - V/U 9K6
Digipeater - ON

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

July 24 to August 6

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops Please)

August 7 to August 13

This week the command stations will cycle the satellite through several configurations while collecting Whole Orbit Data (WOD) files. These files
will be used to further define conditions on board the spacecraft important
to maintaining optimum performance. Users are welcome to operate through the
satellite during these tests , but specific mode changes will not be announc-
ed in advance. However, we do expect for the satellite to be available in V/U
repeater for Saturday hamfest operations.

August 14 to August 27 (Additional testing as above possible August 21 to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active

Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[07312006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM

145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[05012006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF

Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-212.S3
WSR 212 Part 3 07/31/2006

AMSAT NEWS SERVICE BULLETIN 212.S3 FROM AMSAT HQ
SILVER SPRING, MD, July 31, 2006
TO ALL RADIO AMATEURS
BID: $ANS-212.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====

NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB

Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu

[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====

SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:

http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-212.S4
WSR 212 Part 4 07/31/2006

AMSAT NEWS SERVICE BULLETIN 212.S4 FROM AMSAT HQ
SILVER SPRING, MD, July 31, 2006
TO ALL RADIO AMATEURS
BID: $ANS-212.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)

* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

212. MY RADIO HERO !

Newsgroup: rec.radio.amateur.space
Date: 2006-08-02 23:38:11 UTC
From: N90GL@yahoo.com
Message-ID: <1154561891.468915.243430@m73g2000cwd.googlegroups.com>
Source record: 1568
Cross-posted to: rec.radio.amateur.space,alt.revenge,rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy

K8MN Lookups: 2356
DAVID E HEIL
RD 5 BOX 232
CAMERON WV 26033
USA

Email: k8mn@earthlink.net

http://home.earthlink.net/~k8mn

K8MN Biographical Info--
Born: Glen Dale, WV

Raised: Lake Worth, FL; Lexington, KY; Hinton and Oak Hill, WV and Miami, FL.

Other residences: Fort Thomas, KY; Cincinnati, OH

Former DX calls: OH2 and OH0/K8MN ('85-'87 and '95-'98), J52US ('88-'89), 9L1US ('90-'91), A22MN ('92-'95), 5H3US ('98-'00) and part of the July, 1986 OH0MD/OJ0 crew operating from Market Reef.

First licensed: WN8LET 1963, Oak Hill, WV. Was WB4KTR from '68 through mid-'77.

Amateur Radio Interests: DXing (especially on 160, 80 and 6m), Contesting, rag chewing, collecting and restoring vintage gear, amateur radio history.

Bands/modes of operation: 160m through 70cm including AO-10 Mode B, SSB, CW and digital modes.

Other Interests: Music (playing guitar, bass, listening to a wide variety and producing home recordings), gardening, reading, writing, genealogy, astronomy, history, , humor, current events and collecting and restoring antiques.

K8MN was issued to me in 1977. My amateur radio mentor was Andy Timberlake W8MN--an old two letter call, Advanced Class amateur from Hinton, WV. My call honors Andy.

I'm active on the air. To quote Rod Newkirk of "How's DX" fame, "You might have heard me anywhere. Pick a band and I was there."

213. why forge this in Todd name?

Newsgroup: rec.radio.amateur.space
Date: 2006-08-02 23:49:04 UTC
From: an_old_friend <konstans@hotmail.com>
Message-ID: <1154562544.386634.29950@m79g2000cwm.googlegroups.com>
Source record: 1569
Cross-posted to: rec.radio.amateur.space,alt.revenge,rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy

```
N90GL@yahoo.com wrote:
> K8MN Lookups: 2356
> DAVID E HEIL
> RD 5 BOX 232
> CAMERON WV 26033
> USA
>
> Email: k8mn@earthlink.net
why?
```

214. Re: why forge this in Todd name?

Newsgroup: rec.radio.amateur.space
Date: 2006-08-03 00:01:36 UTC
From: morkmorcock@lycos.com
Message-ID: <1154563296.207371.139480@p79g2000cwp.googlegroups.com>
Source record: 1570
Cross-posted to: rec.radio.amateur.space,alt.revenge,rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy

an_old_friend wrote:
> N90GL@yahoo.com wrote:
> > K8MN Lookups: 2356
> > DAVID E HEIL
> > RD 5 BOX 232
> > CAMERON WV 26033
> > USA
> >
> > Email: k8mn@earthlink.net
> why?

STFU you insane fruit!
http://www.godhatesfags.com

215. Re: why forge this in Todd name?

Newsgroup: rec.radio.amateur.space
Date: 2006-08-03 00:04:32 UTC
From: an_old_friend <konstans@hotmail.com>
Message-ID: <1154563472.349988.169040@i42g2000cwa.googlegroups.com>
Source record: 1571
Cross-posted to: rec.radio.amateur.space,alt.revenge,rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy

morkmorc...@lycos.com wrote:
> an_old_friend wrote:
> > N90GL@yahoo.com wrote:
> > > K8MN Lookups: 2356
> > > DAVID E HEIL
> > > RD 5 BOX 232
> > > CAMERON WV 26033
> > > USA
> > >
> > > Email: k8mn@earthlink.net
> > why?
>
> STFU you insane fruit!
I am not insane ask the army about that ask the APA who defines
insanity
face it bigot you are lying about that
> http://www.godhatesfags.com
and that too God hates NO ONE even those that bearfalse witness in His
name as you do

216. Re: trolling right along

Newsgroup: rec.radio.amateur.space
Date: 2006-08-05 21:31:05 UTC
From: morkmorcock@lycos.com
Message-ID: <1154813465.402931.27860@n13g2000cwa.googlegroups.com>
Source record: 1572
Cross-posted to: alt.usenet.kooks,alt.flame,rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.space

```
Screw E'm..Still A Tony Fan wrote:
> <N90GL@yahoo.com> wrote in message
> news:1154801298.260125.261510@p79g2000cwp.googlegroups.com...
> >
> > an_old_friend wrote:
> >> Steveo wrote:
> >> > mork_margen@yahoo.com wrote:
> >> > > steve's confederates!
> >> > > http://csagov.org/
> >> > >
> >> > You really should be more careful about posting at the same time with
> >> > your
> >> > altopia account while forging people, Lloyd Davies.
> >> >
> >> > Not Lloyd" <anon@anon.com>
> >> >
> >> > Organization: Altopia Corp. - Usenet Access - www.altopia.com
> >> > Today 3:07 AM
> >> you know your claims might be more believeable if you were accualy had
> >> credibility
> >>
> >> but sadlly who cares If the orignal poster is Davies and it might be or
> >> might not. he has become so stabled to Wisemen that he might as well be
> >> Wisemen anyway
> >>
> >> amusing who you claim it is ok for your to answer the trolls and
> >> torling post but try to pass of that I may not without be a violation
> >> of my ToS
> >>
> >> who are those efforts going
> >
> > STFU you fucking sodomite!
> > You shouldn't be swaping insults with mopy, you silly fruit! Mopy and
> > you are trolls of a feather! Trolls of a feather suck cock together!!!
> > BWHAHAHAHAHAHAHAHAHA!!!!!!!!!!
>
> You're both a pair of twits - STFU already.
> >

go suck the tards limp stick you faggot! better yet,stay over in kooks
with your faggot friends and stay the fuck out of the radio groups!
```

217. Re: trolling right along

Newsgroup: rec.radio.amateur.space
Date: 2006-08-05 21:33:50 UTC
From: an old friend <kb9rqz@hotmail.com>
Message-ID: <1154813630.114796.145490@m79g2000cwm.googlegroups.com>
Source record: 1573
Cross-posted to: alt.usenet.kooks,alt.flame,rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.space

morkmorc...@lycos.com wrote:
> Screw E'm..Still A Tony Fan wrote:
> > <N90GL@yahoo.com> wrote in message
> > news:1154801298.260125.261510@p79g2000cwp.googlegroups.com...

>
> go suck the tards limp stick you faggot! better yet,stay over in kooks
> with your faggot friends and stay the fuck out of the radio groups!
get some therapy

218. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-05 21:36:28 UTC
From: morkmorcock@lycos.com
Message-ID: <1154813788.317862.312320@75g2000cwc.googlegroups.com>
Source record: 1574
Cross-posted to: rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy,alt.hackers.malicious,rec.radio.amateur.space

Steveo wrote:
> "DrDeath" <drdeath555usb@yahoo.com> wrote:
> > <Todd kisses Dougs ass@rrcb.com> worshipped Doug in message
> > news:1154757633.626203.311460@h48g2000cwc.googlegroups.com...
> > >
> > > God_Hates_N8@convicted felon.net wrote:
> > >> N8 fought Mopey and the keyclowns. He invented the AKC. Mopey
> > >> and Twithed tried to stop him, but couldn't. Long live the heroic
> > >> N8WWM
> > >
> > > I never had a problem with N8. It was funny as hell to watch Doug catch
> > > that cb moron mopy and lead him around the web!
> > >
> >
> > It was even funnier that Dogie was carrying a BB gun and was afraid to
> > come out of the house when Steveo confronted him.
> >
> Ask Roger Wiseman how he reacted when Dave Heil confronted him at his West
> Virginia slum.
>
> http://groups.google.com/group/rec.radio.amateur.policy/msg/93c4548cc85f3a7
> f?hl=en&

hey steveo you side walk sissy..........
is this a good place to get a big radio???????
HTTP://www.radioactiveradios.com
The tard is getting a big radio to drop the maul on
ya.................
BWHAHAHAHAHAHAHAHAHAHAHAHA!!!!!!!!!!!!

219. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-05 21:38:56 UTC
From: an old friend <kb9rqz@hotmail.com>
Message-ID: <1154813936.811015.25120@h48g2000cwc.googlegroups.com>
Source record: 1575
Cross-posted to: rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy,alt.hackers.malicious,rec.radio.amateur.space

morkmorc...@lycos.com wrote:
> Steveo wrote:
> > "DrDeath" <drdeath555usb@yahoo.com> wrote:
> > > <Todd kisses Dougs ass@rrcb.com> worshipped Doug in message

> > Ask Roger Wiseman how he reacted when Dave Heil confronted him at his West
> > Virginia slum.
> >
> > http://groups.google.com/group/rec.radio.amateur.policy/msg/93c4548cc85f3a7
> > f?hl=en&
>
> hey steveo you side walk sissy..........
> is this a good place to get a big radio???????
> HTTP://www.radioactiveradios.com
> The tard is getting a big radio to drop the maul on
> ya.................
> BWHAHAHAHAHAHAHAHAHAHAHAHA!!!!!!!!!!!!
get some therapy

220. your on notice you fukkahs!!!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-05 22:40:09 UTC
From: N90GL@yahoo.com
Message-ID: <1154817609.898804.4760@p79g2000cwp.googlegroups.com>
Source record: 1576
Cross-posted to: rec.radio.amateur.space,alt.usenet.kooks,alt.troll,rec.radio.cb,rec.radio.amateur.policy

my lawyer said something about putting you fukkahs to stop your
bullshit!
so stop using my numbers you rat fukkahs.....................

NOTICE:

I have been a member of the N90 hf club since 1990!!

I check into the N90 net every Saturday night on 27.405 LSB! Have so
since 1990!!

My monitor is 27.115 AM and my handle is "TOAD".......been toad since
1990 !!

Cobra 2000 gtl
maco 4 element beam
Antron 99

NOW STOP USING MY NUMBERS YOU SOCIAL MISFITS!!!!!!!

221. Great Space and Radio Site

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 01:11:53 UTC
From: N90GL@yahoo.com
Message-ID: <1154826713.755463.78620@p79g2000cwp.googlegroups.com>
Source record: 1577
Cross-posted to: rec.radio.amateur.space,alt.usenet.kooks,alt.troll,rec.radio.amateur.policy,rec.radio.cb

serious radio only!
http://skipshooters.ericextreme.com/

222. Re: your on notice you fukkahs!!!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 03:32:58 UTC
From: N9OGL <toddaug555@yahoo.com>
Message-ID: <1154835178.507658.91440@p79g2000cwp.googlegroups.com>
Source record: 1578
Cross-posted to: rec.radio.amateur.space,alt.usenet.kooks,alt.troll,rec.radio.cb,rec.radio.amateur.policy

N90GL@yahoo.com wrote:
> my lawyer said something about putting you fukkahs to stop your
> bullshit!
> so stop using my numbers you rat fukkahs.....
>
> NOTICE:
>
> I have been a member of the N90 hf club since 1990!!
>
> I check into the N90 net every Saturday night on 27.405 LSB! Have so
> since 1990!!
>
> My monitor is 27.115 AM and my handle is "TOAD".....been toad since
> 1990 !!
>
> Cobra 2000 gtl
> maco 4 element beam
> Antron 99
>
> NOW STOP USING MY NUMBERS YOU SOCIAL MISFITS!!!!!!

Who the hell are you talking to you moron??

Todd N9OGL
OMEGA ONE RADIO
13.556.00 MHz LSB

223. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 04:50:51 UTC
From: Steveo <moparholic@hotmail.com>
Message-ID: <20060806005933.224$zu@newsreader.com>
Source record: 1579
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,alt.hackers.malicious,rec.radio.amateur.space

morkmorcock@lycos.com wrote:
> hey steveo you side walk sissy..........
>
The last asswipe that called me that got his picture taken.

http://n8wwm.4t.com/photo.html

224. bless the original psters tormented mind, but hurry oh lord

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 07:53:52 UTC
From: an old friend <kb9rqz@hotmail.com>
Message-ID: <1154850831.975219.227840@b28g2000cwb.googlegroups.com>
Source record: 1580
Cross-posted to: rec.radio.amateur.space,alt.usenet.kooks,alt.troll,rec.radio.cb,rec.radio.amateur.policy

N9OGL wrote:
> N90GL@yahoo.com wrote:
> > my lawyer said something about putting you fukkahs to stop your
> > bullshit!
> > so stop using my numbers you rat fukkahs.....
> >
> > NOTICE:
> >
> > I have been a member of the N90 hf club since 1990!!
> >
> > I check into the N90 net every Saturday night on 27.405 LSB! Have so
> > since 1990!!
> >
> > My monitor is 27.115 AM and my handle is "TOAD".....been toad since
> > 1990 !!
> >
> > Cobra 2000 gtl
> > maco 4 element beam
> > Antron 99
> >
> > NOW STOP USING MY NUMBERS YOU SOCIAL MISFITS!!!!!!!
>
> Who the hell are you talking to you moron??
himself?
>
> Todd N9OGL
> OMEGA ONE RADIO
> 13.556.00 MHz LSB

225. jeunes filles 18 ans perverses

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 11:53:56 UTC
From: priscilla@canaweb.ca
Message-ID: <44d5d853$0$827$ba4acef3@news.orange.fr>
Source record: 1581
Body handling: HTML body converted to readable text

[No readable article body recovered]

226. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 17:57:38 UTC
From: Mopey Dopey Steveo <mopiedopey@yahoo.com>
Message-ID: <44d6205d$0$31346$88260bb3@free.teranews.com>
Source record: 1582
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb

morkmorcock@lycos.com wrote:
> hey steveo you side walk sissy..........
> is this a good place to get a big radio???????
> HTTP://www.radioactiveradios.com
> The tard is getting a big radio to drop the maul on
> ya.................
> BWHAHAHAHAHAHAHAHAHAHAHAHA!!!!!!!!!!!!!

If someone such as Doug really wants to see Mopey Dopey stroke out, all he would have to do is make one phone call to the below person and notify him that Steve Parks is posting his name all over Usenet; and I suspect the Georgia Bureau of Investigation would uncloak little Mopey Dopey with a set of interstate federal felony charges. Anyone who suspects that they know the true identity of Steve Parks should use the below snip of his post to call this person or the GBI and start the ball rolling.

> Mopey Dopey / Steve Parks / Moparholic / Elizabeth Gilbert wrote:
> You may not want to give that kOOk any of your info, Dad. You see he is
> not
> "anon", he is actually the well known usenet loser Scott Gilbert.
>
> Here is some interesting info about him...
>
> http://www.insurgent.org/~kook-faq/scott/index.html
>
> And here is the loons picture in case you need to identify him..
>
> http://i1.tinypic.com/1zwkkt0.jpg
>
> Or just call..
>
> Scott Gilbert
> 8953 Carroll Manor Dr
> Atlanta, GA 30350-2080
> (770) 998-4643

--
Posted via a free Usenet account from http://www.teranews.com

227. Re: Mega promos dans notre sex shop

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 17:57:45 UTC
From: N90GL@yahoo.com
Message-ID: <1154887065.390130.53520@h48g2000cwc.googlegroups.com>
Source record: 1583
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,rec.radio.cb,alt.troll,rec.radio.amateur.space

Cathy@noosempty.net wrote:
> ===> SEX SHOP DU WEB <===
>
>
>
>
>
>
>
>
> *This message was sent with NNTP Scribbler (www.e-advertize.com).*

Callsign: KB9RQZ Class: Technician Codes: HAI USA
Name: MARK C MORGAN
Addr1: Pob 212, PO BOX PoB212
Addr2: Chassell, MI 49916
Country: USA
Effective: 06 Jul 2005 Expires: 12 Nov 2007
FRN: 0009794298 What's this?
FCC: ULS Listing
Lookups: 677
Update / Renew this License...
Apply for new Vanity callsign...

Coordinates: 47.026576 -88.527737
State: Michigan
County: Houghton
Grid: EN57ra
Area Code: 906
GMT Offset: -5
Time Zone: Eastern
Has DST?: Y
Home Page: http://www.geocities.com\\kb9rqz
QRZ Updated: 2006-08-03 19:31:36
Changes needed? Click here to update this listing...

Be sure and check out our Update Policy page if you have any questions.

Biography Info:

one of those private types bigg current ars project in EME hoping to
obtain VUCC and maybe DXCC as a no code tech before the expected R&O
allowign me to become a No Code extra comes through
http://emekb9rqz.blogspot.com/ sadly since certainn folks in the ham
world lack a life beyond harrassing their fellow hams I will no longer

be posting my log on my blog I can be reach by eail off my webpage

I am having to work split so if you see cq kb9rqz+10 it means I am listening up 10 khz etc

KB9RQZ@amsat.org

228. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 17:58:30 UTC
From: Mopey Dopey Steveo <mopiedopey@yahoo.com>
Message-ID: <44d62090$0$31395$88260bb3@free.teranews.com>
Source record: 1584
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,alt.hackers.malicious,rec.radio.amateur.space

Steveo wrote:
> morkmorcock@lycos.com wrote:
>> hey steveo you side walk sissy.....
>>
> The last asswipe that called me that got his picture taken.
>
> http://n8wwm.4t.com/photo.html

I say you are a mopey dopey sidewalk sissy - now come knock on my door, coward.

If someone such as Lloyd really wants to see Mopey Dopey stroke out, all he would have to do is make one phone call to the below person and notify him that Steve Parks is posting his name all over Usenet; and I suspect the Georgia Bureau of Investigation would uncloak little Mopey Dopey with a set of interstate federal felony charges. Anyone who suspects that they know the true identity of Steve Parks should use the below snip of his post to call this person or the GBI and start the ball rolling.

> Mopey Dopey / Steve Parks / Moparholic / Elizabeth Gilbert wrote:
> You may not want to give that kOOk any of your info, Dad. You see he is
> not
> "anon", he is actually the well known usenet loser Scott Gilbert.
>
> Here is some interesting info about him...
>
> http://www.insurgent.org/~kook-faq/scott/index.html
>
> And here is the loons picture in case you need to identify him..
>
> http://i1.tinypic.com/1zwkkt0.jpg
>
> Or just call..
>
> Scott Gilbert
> 8953 Carroll Manor Dr
> Atlanta, GA 30350-2080
> (770) 998-4643

--
Posted via a free Usenet account from http://www.teranews.com

229. get help

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 18:08:06 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1154887686.547564.109680@h48g2000cwc.googlegroups.com>
Source record: 1585
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,rec.radio.cb,alt.troll,rec.radio.amateur.space

N90GL@yahoo.com wrote:
> Cathy@noosempty.net wrote:
> > ===> SEX SHOP DU WEB <===
> >
> >
> >
> >
> >
> >
> >
> >
> > *This message was sent with NNTP Scribbler (www.e-advertize.com).*
>
> Callsign: KB9RQZ Class: Technician Codes: HAI USA
you have printed my qrz.com bio so?

230. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 18:59:58 UTC
From: Steveo <moparholic@hotmail.com>
Message-ID: <20060806150847.563$g2@newsreader.com>
Source record: 1586
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.cb

Muahahahaha!

http://i5.tinypic.com/23tjjb8.jpg

http://www.insurgent.org/~kook-faq/scott/index.html

http://search.yahoo.com/search?_adv_prop=web&ei=UTF-8&va=scott+gilbert&va_vt=any&vp=scott+gilbert&vp_vt=any&vo=sap&vo_vt=any&vst=0&vf=all&vm=i&fl=0&n=10&pstart=1&fr=fp-tab-web-t&b=1

231. Re: God Bless N8WWM!!!!!!!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 19:01:42 UTC
From: Steveo <moparholic@hotmail.com>
Message-ID: <20060806151030.969$C7@newsreader.com>
Source record: 1587
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,alt.hackers.malicious,rec.radio.amateur.space

Muahahahaha!

http://i5.tinypic.com/23tjjb8.jpg

http://www.insurgent.org/~kook-faq/scott/index.html

http://search.yahoo.com/search?_adv_prop=web&ei=UTF-8&va=scott+gilbert&va_vt=any&vp=scott+gilbert&vp_vt=any&vo=sap&vo_vt=any&vst=0&vf=all&vm=i&fl=0&n=10&pstart=1&fr=fp-tab-web-t&b=1

232. Re: more Lloyd Davies proof!

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 20:26:08 UTC
From: morkmorcock@lycos.com
Message-ID: <1154895968.111234.112970@b28g2000cwb.googlegroups.com>
Source record: 1588
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.space,alt.usenet.kooks,alt.pizza.delivery.drivers

Winston wrote:
> On Sun, 6 Aug 2006 13:36:32 -0500, DrDeath <drdeath555usb@yahoo.com> wrote:
> > Steveo gave you a much deserved newsgroup ass whipping and now you have to
> > spam Usenet with your desperate pleas for assistance. Call your mommy, I'm
> > sure she will understand while you feed from her utters.
>
> What's an "utter," dumbass? As always, you are utterly clueless.

Thats just DrDeadDick, our resident group jester.
Go ahead........pull his strings!!!!!!!!!!!!!

233. Re: ft-101 service manual

Newsgroup: rec.radio.amateur.space
Date: 2006-08-06 22:28:52 UTC
From: DrDeath <drdeath555usb@mail2boy.com>
Message-ID: <1154903332.129761.86390@b28g2000cwb.googlegroups.com>
Source record: 1589
Cross-posted to: rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.space,alt.hackers.malicious,alt.ham-radio.vhf-uhf

noob wrote:
> any links to a pdf for a service manual... no i dont want to buy one

try this,it should do it
http://www.sunnygalleries.com/static/trannyisland/layout27/images/05s.jpg

234. Hey Tard.....

Newsgroup: rec.radio.amateur.space
Date: 2006-08-07 19:35:47 UTC
From: DrDeath <drdeath555usb@mail2boy.com>
Message-ID: <1154979347.467052.122900@p79g2000cwp.googlegroups.com>
Source record: 1590
Cross-posted to: rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.policy,rec.radio.amateur.space,alt.hackers.malicious

Wanna know who's helping the hams fuck with you??

1) mopy-dopy......ring leader

2) DrDeath.........general flunky and follower

3) LandLoad........wanna be ring leader,but only a follower

IN THAT ORDER!

Check it out because your lawyer may be interested.
The FCC may want to look into their road trip habits since they are not
licensed for 144 or 440!!

Yes Tard, you are a piece of work, but you are the lesser of the
evils.................the enemy of my
enemy.............................

Good Luck.

235. Re: More Morkie Mularkie,<<< why the lies about my wife?

Newsgroup: rec.radio.amateur.space
Date: 2006-08-07 20:31:34 UTC
From: mork_margen@yahoo.com
Message-ID: <1154982694.382502.118320@p79g2000cwp.googlegroups.com>
Source record: 1591
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.hackers.malicious,rec.radio.cb,rec.radio.amateur.space

```
an old friend wrote:
> K4YZ wrote:
> > an old friend wrote:
> > > morkmor####@lycos.com wrote:
> > > > http://wireless2.fcc.gov/UlsApp/UlsSearch/license.jsp?licKey=760289
>
> > > learn to tell the deference
> > >
> > > I can and both are fun just different is all
> >
> > Obviously you CAN'T tell the difference...You married one and keep
> > claiming "she's" a female, Mork.
>
> I married a female I did not marry a man
>
> under the right occasion I might marry a man, I just did not and you
> can't face the truth
> >
> > Steve, K4YZ

What a faggot! admits to fucking men!!
Would you be the wife?????????
BWHAHAHAHAHAHAHA!!!!!!!!!!
```

236. Re: New subblog: EME Spoofing Made Easy

Newsgroup: rec.radio.amateur.space
Date: 2006-08-07 20:35:10 UTC
From: mork_margen@yahoo.com
Message-ID: <1154982910.294860.159910@i3g2000cwc.googlegroups.com>
Source record: 1592
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.space,alt.flame

an old friend wrote:
> K4YZ wrote:
> > NO9GL wrote:
> > > Lots of us are having fun pretending to be EME dx and geting local
> > > jerky hams all fired up thinking they work overseas station. It takes
> > > skill to fool them good and the new subblog has lots ideas for you at
> > > http://n9oglvoice.blogspot.com/emespoof so come read and enjoy.
> > >
> > > I am one of best spoofers in my town. The babes love it.
> >
> > Be careful...Morkie will be claiming it was his idea all along!
> no steve I know beter I know I taken in by a fraud commited by someone
> that has been reading your filth about me
>
> posting that filth was your idea not mine
> >
> > Steve, K4YZ

Morkie,
Why do you enjoy a penis in your rectum?

237. Re: Especially for AB8MQ

Newsgroup: rec.radio.amateur.space
Date: 2006-08-07 21:42:04 UTC
From: N90GL@yahoo.com
Message-ID: <1154986924.288399.31270@m73g2000cwd.googlegroups.com>
Source record: 1593
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space,alt.usenet.kooks,rec.radio.cb,alt.troll

Dave Heil wrote:
> Don't forget the Marshall County ARES meeting this evening at 7:30 PM at
> the courthous, Roger.
>
> I shall look forward to seeing you in attendance.
>
> We'll have a frank discussion on a number of issues.
>
> Dave K8MN

STFU you stinking troll!!
now run along and tell that street walker of your's to wash her nasty
ass.....you wouldn't want to be blowing mork by proxy now would
you??

238. Re: cross country trip

Newsgroup: rec.radio.amateur.space
Date: 2006-08-07 21:46:48 UTC
From: N90GL@yahoo.com
Message-ID: <1154987208.381116.59750@m73g2000cwd.googlegroups.com>
Source record: 1594
Cross-posted to: misc.transport.trucking,rec.radio.cb,rec.radio.amateur.space,alt.pizza.delivery.drivers,rec.radio.amateur.policy

monkos@webtv.net wrote:
> We're making a move from Southern NH to southern AZ soon. driving a 16ft
> rental truck. Anyone have any suggestions on a route that won't be too
> gas consuming. I have several maps that take us different routes but
> can't decide which would be best. We are not young people so we need a
> safe route. Thanks......

maybe direct your question to mopy in rec.radio.cb

he gets his gas money by cutting lawns and sucking dicks at the
petro.........he would be happy to help.

239. Re: More Morkie Mularkie,<<< why the lies about my wife?

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 02:03:29 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155002609.641160.188720@i3g2000cwc.googlegroups.com>
Source record: 1595
Cross-posted to: alt.usenet.kooks,alt.hackers.malicious,rec.radio.cb,rec.radio.amateur.space

mork_margen@yahoo.com wrote:
> an old friend wrote:
> > K4YZ wrote:

> > under the right occasion I might marry a man, I just did not and you
> > can't face the truth
> > >
> > > Steve, K4YZ
>
> What a faggot! admits to fucking men!!
sure I fuck men

women too
> Would you be the wife?????????
no
> BWHAHAHAHAHAHAHA!!!!!!!!!!!
get some therapy

240. Re: New subblog: EME Spoofing Made Easy

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 02:05:03 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155002703.566141.156960@n13g2000cwa.googlegroups.com>
Source record: 1596
Cross-posted to: alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.space,alt.flame

mork_margen@yahoo.com wrote:
> an old friend wrote:
> > K4YZ wrote:
> > > NO9GL wrote:
> > > > Lots of us are having fun pretending to be EME dx and geting local
> > > > jerky hams all fired up thinking they work overseas station. It takes
> > > > skill to fool them good and the new subblog has lots ideas for you at
> > > > http://n9oglvoice.blogspot.com/emespoof so come read and enjoy.
> > > >
> > > > I am one of best spoofers in my town. The babes love it.
> > >
> > > Be careful...Morkie will be claiming it was his idea all along!
> > no steve I know beter I know I taken in by a fraud commited by someone
> > that has been reading your filth about me
> >
> > posting that filth was your idea not mine
> > >
> > > Steve, K4YZ
>
> Morkie,
> Why do you enjoy a penis in your rectum?
if you can naswer what the question has to do with the radio NG's ill
answer you

till then you are just gay bashing troll

get some therapy

241. Re: Especially for AB8MQ

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 02:07:02 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155002822.700734.204990@i3g2000cwc.googlegroups.com>
Source record: 1597
Cross-posted to: rec.radio.amateur.space,alt.usenet.kooks,rec.radio.cb,alt.troll

N90GL@yahoo.com wrote:
> Dave Heil wrote:
> > Don't forget the Marshall County ARES meeting this evening at 7:30 PM at
> > the courthous, Roger.
> >
> > I shall look forward to seeing you in attendance.
> >
> > We'll have a frank discussion on a number of issues.
> >
> > Dave K8MN
>
> STFU you stinking troll!!
> now run along and tell that street walker of your's to wash her nasty
> ass.....you wouldn't want to be blowing mork by proxy now would
> you??
why do you feel the nedd to add all those NG's?

242. Re: New subblog: EME Spoofing Made Easy

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 03:58:47 UTC
From: DrDeath <drdeath555usb@mail2boy.com>
Message-ID: <1155009527.403657.146900@b28g2000cwb.googlegroups.com>
Source record: 1598
Cross-posted to: alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.space,alt.flame

an old freind wrote:
> mork_margen@yahoo.com wrote:
> > an old friend wrote:
> > > K4YZ wrote:
> > > > NO9GL wrote:
> > > > > Lots of us are having fun pretending to be EME dx and geting local
> > > > > jerky hams all fired up thinking they work overseas station. It takes
> > > > > skill to fool them good and the new subblog has lots ideas for you at
> > > > > http://n9oglvoice.blogspot.com/emespoof so come read and enjoy.
> > > > >
> > > > > I am one of best spoofers in my town. The babes love it.
> > > >
> > > > Be careful...Morkie will be claiming it was his idea all along!
> > > no steve I know beter I know I taken in by a fraud commited by someone
> > > that has been reading your filth about me
> > >
> > > posting that filth was your idea not mine
> > >
> > > Steve, K4YZ
> >
> > Morkie,
> > Why do you enjoy a penis in your rectum?
> if you can naswer what the question has to do with the radio NG's ill
> answer you
>
> till then you are just gay bashing troll
>
> get some therapy

you are the one that said you engage in homosexual conduct in a public
usenet group.

so answer the question.

243. Re: New subblog: EME Spoofing Made Easy

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 05:21:24 UTC
From: mork_margen@yahoo.com
Message-ID: <1155014484.538287.152470@n13g2000cwa.googlegroups.com>
Source record: 1599
Cross-posted to: alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.space,alt.flame

DrDeath wrote:
> an old freind wrote:
> > mork_margen@yahoo.com wrote:
> > > an old friend wrote:
> > > > K4YZ wrote:
> > > > > NO9GL wrote:
> > > > > > Lots of us are having fun pretending to be EME dx and geting local
> > > > > > jerky hams all fired up thinking they work overseas station. It takes
> > > > > > skill to fool them good and the new subblog has lots ideas for you at
> > > > > > http://n9oglvoice.blogspot.com/emespoof so come read and enjoy.
> > > > > >
> > > > > > I am one of best spoofers in my town. The babes love it.
> > > > > >
> > > > > Be careful...Morkie will be claiming it was his idea all along!
> > > > no steve I know beter I know I taken in by a fraud commited by someone
> > > > that has been reading your filth about me
> > > >
> > > > posting that filth was your idea not mine
> > > > >
> > > > > Steve, K4YZ
> > > >
> > > Morkie,
> > > Why do you enjoy a penis in your rectum?
> > if you can naswer what the question has to do with the radio NG's ill
> > answer you
> >
> > till then you are just gay bashing troll
> >
> > get some therapy
>
> you are the one that said you engage in homosexual conduct in a public
> usenet group.
>
> so answer the question.

Thats right shirley.....you brought it up now tell us what it is
that makes you want something like that! No normal man wants a penis in
his rectum! Whats wrong with you,boy??

244. Re: Hey Tard.....

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 10:55:42 UTC
From: Steveo <moparholic@hotmail.com>
Message-ID: <20060808070450.780$e9@newsreader.com>
Source record: 1650
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space,alt.hackers.malicious

"DrDeath" <drdeath555usb@mail2boy.com> wrote:
> Wanna know who's helping the hams fuck with you??
>
The slurping lardass davies NOVFP, of course.

http://tinypic.com/k36bys.jpg

FU set

245. Radio Meteor Obs. Bull. July 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-08-08 16:22:08 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <ggehd25k6dh2ahm0sqv5rduo4vs6s2js41@4ax.com>
Source record: 1651
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 156 of July 2006 (72K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0607.txt

More information and the visual presentation of the hourly forward scatter
counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

246. Re: Radio Meteor Obs. Bull. July 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-08-09 08:55:36 UTC
From: canopus56 <canopus56@NOyahooSPAM.com>
Message-ID: <44d9a334$0$26140$3a2ecee9@news.csolutions.net>
Source record: 1652
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

"Chris Steyaert" <observations@rmob.org> wrote in message
news:ggehd25k6dh2ahm0sqv5rduo4vs6s2js41@4ax.com...
> Radio Meteor Observation Bulletin No. 156 of July 2006 (72K) is available
> now as

Thanks as always for posting these. It's really informative how much
non-visual activity there is, especially in July. - Canopus56

247. Re: ft-101 service manual

Newsgroup: rec.radio.amateur.space
Date: 2006-08-09 18:47:28 UTC
From: keyclowns are the squirming worms on the fruit of hobby communications <keyklownzrnutjobs@yahoo.com>
Message-ID: <1155149248.780011.103640@h48g2000cwc.googlegroups.com>
Source record: 1653
Cross-posted to: rec.radio.cb,alt.usenet.kooks,rec.radio.amateur.space,alt.hackers.malicious,alt.ham-radio.vhf-uhf

DrDeath wrote:
> noob wrote:
> > any links to a pdf for a service manual... no i dont want to buy one
>
> try this,it should do it
> http://www.sunnygalleries.com/static/trannyisland/layout27/images/05s.jpg

We know that does it for you, DrDorkbreath

248. ANS-218 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-08-09 23:36:34 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <6kuCg.6611$0e5.4529@newsread4.news.pas.earthlink.net>
Source record: 1654

AMSAT NEWS SERVICE
ANS-218

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Clifford C. Buttschardt K7RR Silent Key
* AMSAT demos at Santa Barbara Hamfest
* Kenneth Ransom, N5VHO, Honored by NASA
* AMSAT Awards
* ARISS Status - 31 July 2006

SB SAT @ AMSAT $ANS-218.01
Clifford C. Buttschardt K7RR Silent Key

AMSAT News Service Bulletin 218.01
From AMSAT HQ SILVER SPRING, MD.
August 6, 2006
To All RADIO AMATEURS
BID: $ANS-218.01

Cliff Buttschardt, K7RR (formerly W6HDO) became a silent key July 30, 2006 at 9:47 PM PDT. He was a lifetime member of both AMSAT and the ARRL, and an original member of Project OSCAR. He died quietly in his home in Morro Bay after battling inoperable cancer of the esophagus for many months.

Cliff was born in 1931 in Brooklyn, NY and later lived in Garden City on Long Island. Cliff finished school in San Jose and went on to graduate from San Jose State with a degree in electrical engineering. After graduation Cliff joined the Navy where he worked as a radioman. He later worked at Raytheon in Santa Barbara and SRI International in Palo Alto.

While at SRI he became a member of the original Project OSCAR Radio club and supported the construction of OSCAR-I. Over his lifetime Cliff supported many of the amateur satellites that were launched from Vandenberg AFB. In 2001 Cliff while teaching at Cuesta College in San Luis Obisop, Cliff, along with Ed English W6WYQ, began work on the CubeSat project. Cliff then moved over to California Polytechnic State

University (Cal Poly) where he and Ed continued to mentor students who were just starting up the initial CubeSat designs.

In March of 2006 the Project OSCAR Board of Directors voted unanimously to award Cliff its highest honor, the Lifetime Achievement Award, for his contributions to amateur satellites, amateur radio and the CubeSat program. The award was presented during the CubeSat Launch Party at Cal Poly on 26 July 2006, and to Cliff personally at his home on the same day.

Cliff is survived by his wife Mabs, who was with Cliff when he passed on. It is requested that in lieu of flowers, a contribution to AMSAT be made in Cliff's name.

[Note - a more complete story and photos will be available in the upcoming edition of the AMSAT Journal.]

[ANS thanks Emily, N1DID, for the above information]

/EX

SB SAT @ AMSAT $ANS-218.02
AMSAT demos at Santa Barbara Hamfest

AMSAT News Service Bulletin 218.02
From AMSAT HQ SILVER SPRING, MD.
August 6, 2006
To All RADIO AMATEURS
BID: $ANS-218.02

AMSAT member Clint Bradford, K6LCS will be demonstrating how easy it is to work amateur satellites at the upcoming Santa Barbara Amateur Radio Club Family Reunion Hamfest on Sunday, August 13.

"I have AMSAT brochures from Martha, some handouts from the ARRL's Rosalie White on the ARISS program, and several pre-programmed HTs for attendees to use. It looks like AO-51 and SO-50 will be able to be accessed during a half-hour period in the morning," reports Clint.

The annual event is being held at the Elk's Lodge at 150 N. Kellogg, Goleta CA 93117 on Sunday, August 13th starting at 8:30 AM. Event details - and Clint's "Work AO-51 with your HT!" tutorial - are posted at the group's Web site: http://www.sbarc.org/annual/hamfest/index.html

[ANS thanks Clint, K6LCS, for the above information]

/EX

SB SAT @ AMSAT $ANS-218.03
Kenneth Ransom, N5VHO, Honored by NASA

AMSAT News Service Bulletin 218.03
From AMSAT HQ SILVER SPRING, MD.
August 6, 2006
To All RADIO AMATEURS

BID: $ANS-218.03

NASA has honored ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO, with its prestigious "Silver Snoopy" Award. Ransom was tapped to receive the award for his role in helping International Space Station Expedition 12 Commander Bill McArthur, KC5ACR, complete and confirm Worked All States (WAS) and Worked All Continents (WAC), including Antarctica, from NA1SS, as well as logging some 130 DXCC entities. McArthur's duty tour ended in April.

"I am honored to have received the award and honored again by Bill McArthur's thoughtfulness at selecting such an Amateur Radio-appropriate Silver Snoopy," Ransom told ARRL. He explained that every Silver Snoopy has flown on a space mission. "The one that was awarded to me was flown on STS-58, which was Bill's first shuttle flight." The STS-58 mission, he said, not only was a SAREX (Shuttle Amateur Radio EXperiment) flight but McArthur's introduction to Amateur Radio from space. SAREX was the predecessor to the Amateur Radio on the International Space Station (ARISS) program.

In his role as ISS Ham Radio Project Engineer, Ransom helps ARISS arrange opportunities for students to speak via Amateur Radio with the space station crew at NA1SS. He also coordinates with the ISS crew on the configuration and operation of the two ham radio stations aboard the space station.

At some point during Expedition 12, Ransom realized that McArthur had already logged 25 states, and he figured, "Why stop there?" Pretty soon, he was lining up contacts for McArthur in the other 25.

"It was an, 'I know a friend who knows a friend who knows a friend' sort of thing," Ransom explained. "There are a lot of folks eager to talk to an astronaut."

"Different crews do different things as pastimes," Ransom said. "Bill enjoyed talking on the radio. It gave him someone else to talk to besides CAPCOM, the voice of mission control."

By the end of the mission, McArthur not only became the first astronaut to earn WAS from space but put lots of DX -- routine and exotic -- in the NA1SS log on both VHF and UHF. Overall, he made more than 1800 contacts during his approximately six months in space. He also established a new ARISS milestone by completing 37 school group contacts.

"None of that would have been possible without the work Kenneth did," McArthur said. "He alerted radio operators in some pretty obscure places -- places that rarely have contact with the space program."

To show his gratitude, McArthur recently presented Ransom with the Silver Snoopy Award -- a silver lapel pin featuring the famous "Peanuts" comic strip character Snoopy in a spacesuit. NASA's Astronaut Office presents the award to those who have significantly enhanced the space

agency's goals for human exploration and development of space. Fewer than one percent of the space program's workforce receives it annually.

McArthur is still working to confirm DXCC from space. So far, he has approximately one-third of the necessary contacts confirmed.

[ANS thanks ARRL for the above information]

/EX

SB SAT @ AMSAT $ANS-218.04
AMSAT Awards

AMSAT News Service Bulletin 218.04
From AMSAT HQ SILVER SPRING, MD.
August 6, 2006
To All RADIO AMATEURS
BID: $ANS-218.04

This week, congratulations go out to all of the following.

We would like to welcome the following to the satellite community. They have made their first satellite contact and are now members of the AMSAT Satellite Communicators Club.

Christophe Candebat, FM1OJ
Simon Boehme, KC8ZYD
(who happens to be 14 and made his first satellite contact on field day)

AMSAT Satellite Communications Achievement Award
Andre Theelen, PH7AT #431
Joseph Jaffer, N3PKC #432
Robert Wyckoff, KB3MBO #433
Roger Banks, KE5AQD #434

W4AMI Communications Achievement Award
Andre Theelen, PH7AT #45

South Africa Satellite Communications Achievement Award
Andre Theelen, PH7AT #US96

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com

[ANS thanks Bruce, KK5DO, for the above information]

/EX

SB SAT @ AMSAT $ANS-218.05
ARISS Status - 31 July 2006

AMSAT News Service Bulletin 218.05
From AMSAT HQ SILVER SPRING, MD.
August 6, 2006

To All RADIO AMATEURS
BID: $ANS-218.05

1. Children's Club Speaks to ISS

On Saturday, 29 July 2006, the Children's Club Camp held in Patras, Greece experienced an ARISS contact with ESA astronaut Thomas Reiter, DF4TR, via the telebridge station, WH6PN, in Hawaii. The Greek Minister of Education asked the first two questions, followed by two questions posed by students. ESA employees' children attended the camp held at the Porto Rio Hotel, with July 29 designated as Space Day. An audience of 200 was present for the event. Echolink was used for the contact, receiving 31 connections from 11 countries, including 6 repeaters.

2. Upcoming School Contacts

Teven-Tintenbar Public School is located in a rural-residential area 12 km from the coastal town of Ballina in the Northern Rivers region of NSW, Australia. Approximately 180 students, grades kindergarten through grade 6, are enrolled at the school. Teven-Tintenbar has been approved for a contact on Friday, 11 August 2006 at 07:32 UTC.

3. SSTV Testing

Pavel Vinogradov, RV3BS, ran a few Slow Scan Television (SSTV) tests over the weekend. Images were picked up by stations in Russia and Brazil. Articles may be found on the AMSAT and ARRL websites, www.amsat.org and www.arrl.org

4. ARISS International Team Meeting

The monthly ARISS International Team teleconference was held on Tuesday, 25 July 2006. Topics of discussion included Japanese space visitor, Dice-K Enomoto, school contacts planned for Thomas Reiter, and the ARISS International Face to Face meeting planned for October.

5. Chuck Brady, N4BQW, SK

Retired space shuttle astronaut Chuck Brady, N4BQW, one of the first astronauts involved with the Shuttle Amateur Radio Experiment (SAREX) program, passed away July 23. ARRL ran an article, "Dr Charles E. 'Chuck' Brady Jr, N4BQW, SK." See: http://www.arrl.org/news/stories/2006/07/27/1/?nc=1

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

249. WSR-219 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-08-09 23:36:39 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <bkuCg.6612$0e5.6003@newsread4.news.pas.earthlink.net>
Source record: 1655

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-219.S1
WSR 219 Part 1 08/07/2006

AMSAT NEWS SERVICE BULLETIN 219.S1 FROM AMSAT HQ
SILVER SPRING, MD, August 07, 2006
TO ALL RADIO AMATEURS
BID: $ANS-219.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - OFF
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 7 to August 13

This week the command stations will cycle the satellite through several
configurations while collecting Whole Orbit Data (WOD) files. These
files
will be used to further define conditions on board the spacecraft
important
to maintaining optimum performance. Users are welcome to operate through
the
satellite during these tests , but specific mode changes will not be
announc-
ed in advance. However, we do expect for the satellite to be available
in V/U
repeater for Saturday hamfest operations.

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital

Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08072006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php

The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING - SEE BELOW IN REPORT
Digipeater:

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.49 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08072006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-219.S2
WSR 219 Part 2 08/07/2006

AMSAT NEWS SERVICE BULLETIN 219.S2 FROM AMSAT HQ
SILVER SPRING, MD, August 07, 2006
TO ALL RADIO AMATEURS
BID: $ANS-219.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING - SEE BELOW IN REPORT
Digipeater:

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ

Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.49 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08072006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: ISS Packet =>VOICE Contacts

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

PCSAT2 SPECIAL EVENT AND OPERATIONS

Subj: ISS Packet =>VOICE Contacts:

Starting on 4 August, and for the 26 days remaining of
PCSAT2's operation on ISS, PCSAT2 will be configured for
VOICE response to normal packets transmitted via the normal
ISS digipeater 145.99 uplink (or PCSAT2's uplink on 145.825
if the ARISS packet system is not operational). The command
station's voice downlink will be on 437.975 +/- Doppler and
he/she willl attempt to acknowledge by voice all packets seen
on the packet uplink.

The UHF downlink will be weak (only 1 Watt) and being
UHF (9dB worse than 2m), will need at least a small
beam to hear it.

Users who want to participate, simply send your packets
as normal VIA ARISS on 145.99 uplink (if available or via
145.825 if not) but listen on the 437.925 downlink for the
combined voice and packets. This will only work when
PCSAT2 is in range of a participating command station and
there is no guarantee that all command stations will be available
on any given pass. In otherwords, this may be rare, but fun.

Right now, passes in the Northern Hemisphere are occuring
before sunrise, so only the last two morning passes may be
so manned for voice. Passes in the Southern Hemisphere
right now are from midday into evening.

Best thing to do is simply monitor 437.975 during ISS passes
and if you hear a command station, then send us a 'hello'
packet via the ISS digipeater.

We need a volunteer command station in South America,
South Africa and some other footprints too if activity is
desired in those areas.

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

[08072006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - OFF
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 7 to August 13

This week the command stations will cycle the satellite through several
configurations while collecting Whole Orbit Data (WOD) files. These
files
will be used to further define conditions on board the spacecraft
important
to maintaining optimum performance. Users are welcome to operate through
the
satellite during these tests , but specific mode changes will not be
announc-
ed in advance. However, we do expect for the satellite to be available
in V/U
repeater for Saturday hamfest operations.

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

Digital / PBBS
Downlink 435.150 mHz FM 9k6 Digital
Uplink 145.860 mHz FM 9k6 Digital
PBBS Active
Telemetry Downlink and Digipeater Active (No Unattended Digipeater Ops
Please)

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08072006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====

GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-219.S3
WSR 219 Part 3 08/07/2006

AMSAT NEWS SERVICE BULLETIN 219.S3 FROM AMSAT HQ
SILVER SPRING, MD, August 07, 2006
TO ALL RADIO AMATEURS
BID: $ANS-219.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz

Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]

=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater

Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-219.S4
WSR 219 Part 4 08/07/2006

AMSAT NEWS SERVICE BULLETIN 219.S4 FROM AMSAT HQ
SILVER SPRING, MD, August 07, 2006
TO ALL RADIO AMATEURS
BID: $ANS-219.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

250. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-11 16:16:13 UTC
From: marqueenie_von_dork@yahoo.com
Message-ID: <1155312973.033376.134900@i42g2000cwa.googlegroups.com>
Source record: 1656
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

an old friend wrote:
> an old friend wrote:
> > I will resist it.
> >
> > I am adivised I have legal right to do so, indeed should any news
> > provider be persauded to terminate my access i t would give me the one
> > thing my lawyer lacks to assure me of a postive result in litagation
> > against Robeson and other parties.
> >
> > Robesonn can stopp his assualt anytime
> >
> > he can choose to leave or (I hope) he can choose to enage in discussion
> > of radio related issues on the NG
> much the same aplies to wisemen a well

Mr Robeson is a welcome poster. He has always tried to help others and
post on topic.

YOU,otoh, have gone out of your way to post gay filth here. I have
copies of YOUR posts to prove it. YOU are not welcome here you filty
sodomite!

aren't you in violation of the states sodomy laws??

251. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-11 16:28:47 UTC
From: an old friend <kb9rqz@yahoo.com>
Message-ID: <1155313727.047850.19040@74g2000cwt.googlegroups.com>
Source record: 1657
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

marqueenie_von_dork@yahoo.com wrote:
> an old friend wrote:

> YOU,otoh, have gone out of your way to post gay filth here. I have
> copies of YOUR posts to prove it. YOU are not welcome here you filty
> sodomite!
nope
>
> aren't you in violation of the states sodomy laws??
suchh laws no longer exist guess you don't read

252. Re: JUST STOP YOUR CRAP

Newsgroup: rec.radio.amateur.space
Date: 2006-08-12 19:31:06 UTC
From: time_space_traveler_14275@yahoo.com
Message-ID: <1155411066.896633.88360@m79g2000cwm.googlegroups.com>
Source record: 1658
Cross-posted to: rec.radio.amateur.policy,rec.radio.cb,rec.radio.amateur.space

an old friend wrote:
<same old lies,snipped>

BUT YOU STARTED IT. I WILL PROVIDE SWORN TESTIMONY TO ANY PARTY YOU TRY
TO HARASS.

253. get some therapy

Newsgroup: rec.radio.amateur.space
Date: 2006-08-12 23:07:43 UTC
From: an old friend <kb9rqz@yahoo.com>
Message-ID: <1155424063.620494.265240@75g2000cwc.googlegroups.com>
Source record: 1659
Cross-posted to: rec.radio.cb,rec.radio.amateur.space

time_space_traveler_14275@yahoo.com wrote:
> an old friend wrote:
> <same old lies,snipped>
>
> BUT YOU STARTED IT. I WILL PROVIDE SWORN TESTIMONY TO ANY PARTY YOU TRY
> TO HARASS.
right from a time space traveler well since I harrass nobody your
testimony will nevr be needed

254. cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-14 18:51:05 UTC
From: Mark@kb9rqz.com
Message-ID: <tfh1e214ag9trq5cs2l65pjp5io8k5ghvn@4ax.com>
Source record: 1660
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

On Mon, 14 Aug 2006 17:34:02 GMT, ray@austin.com (ray...i need to pay
my bill and it works) wrote:
cease and desist
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

255. Re: cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-14 19:34:00 UTC
From: Mark Morgan <konstans@homomale.com>
Message-ID: <44e0c300$0$11663$88260bb3@free.teranews.com>
Source record: 1661
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

```
<Mark@kb9rqz.com> wrote in message
news:tfh1e214ag9trq5cs2l65pjp5io8k5ghvn@4ax.com...
> On Mon, 14 Aug 2006 17:34:02 GMT, ray@austin.com (ray...i need to pay
> my bill and it works) wrote:
> cease and desist
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com
>
they try to bust my shemale wife four empersniating a women

--
Posted via a free Usenet account from http://www.teranews.com
```

256. Re: cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-14 19:42:03 UTC
From: Mark@kb9rqz.com
Message-ID: <ofk1e2dqk5jlk87fmanlgml1fqjqthkahe@4ax.com>
Source record: 1662
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

On Mon, 14 Aug 2006 15:34:00 -0400, "Mark Morgan"
<konstans@homomale.com> wrote:

cease and desist
id theft is a crime
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

257. Re: Please help *PLEASE PUT ME ON YOUR GAY RESTROOM ASS BLUMPKIN PROVIDER LIST*

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 00:11:38 UTC
From: Biggus Dickus <cockasimian@apeshallnotfunkape.com>
Message-ID: <42f76$44e11136$d1cc587d$11957@snip.allthenewsgroups.com>
Source record: 1663
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"ray...i need to suck your cock and it works" <ray@austin.com> wrote in
message news:452207781406@news-server.austin.rr.com...
>
>
> It Will Work. If you do as I have done!
> Just Do It! follow the 4 steps.
> $6.00 BLOWJOBS to $15,000.00 BLUMPKIN SESSIONS in 30 days!

Blow me you cheap hammie hamfest dealer bum
bastard cockblowing bearded smelly cum-schlurp !

------ > PFFFHHBLTTTTT!!!!!!!!!!!!

258. cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 01:56:47 UTC
From: an old friend <kb9rqz@yahoo.com>
Message-ID: <1155607007.048706.302580@b28g2000cwb.googlegroups.com>
Source record: 1664
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Biggus Dickus wrote:
cease and desist

259. Re: Please help *PLEASE PUT ME ON YOUR GAY RESTROOM ASS BLUMPKIN PROVIDER LIST*

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 19:17:23 UTC
From: Mark The Moron Morgan <konstans@homomale.com>
Message-ID: <44e2109d$0$21047$88260bb3@free.teranews.com>
Source record: 1665
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"Biggus Dickus" <cockasimian@apeshallnotfunkape.com> wrote in message
news:42f76$44e11136$d1cc587d$11957@snip.allthenewsgroups.com...
>
> "ray...i need to suck your cock and it works" <ray@austin.com> wrote in
> message news:452207781406@news-server.austin.rr.com...
>>
>>
>> It Will Work. If you do as I have done!
>> Just Do It! follow the 4 steps.
>> $6.00 BLOWJOBS to $15,000.00 BLUMPKIN SESSIONS in 30 days!
>
> Blow me you cheap hammie hamfest dealer bum
> bastard cockblowing bearded smelly cum-schlurp !
>
> ------ > PFFFHHBLTTTTT!!!!!!!!!!!!
>
>
teh art of the blumpkin is amlost a los art know my der old papa tawt me teh
blump

with the punce gotcha he wonders why I simple don't bother to ty
impoving my spelling
do u hav anyting cognet two say?

--
Posted via a free Usenet account from http://www.teranews.com

260. cease and desist your harrassment

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 19:19:58 UTC
From: an old friend <kb9rqz@yahoo.com>
Message-ID: <1155669598.874592.234230@75g2000cwc.googlegroups.com>
Source record: 1666
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Mark The Moron Morgan wrote:
cease and desist your harrassment

261. Re: cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 22:16:29 UTC
From: Mark The Moron Morgan <konstans@homomale.com>
Message-ID: <44e23a97$0$21028$88260bb3@free.teranews.com>
Source record: 1667
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"an old friend" <kb9rqz@yahoo.com> wrote in message
news:1155607007.048706.302580@b28g2000cwb.googlegroups.com...
>
> Biggus Dickus wrote:
> cease and desist
crease where i shit

--
Posted via a free Usenet account from http://www.teranews.com

262. Re: cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 22:31:42 UTC
From: an old friend <kb9rqz@hotmail.com>
Message-ID: <1155681102.743274.169300@74g2000cwt.googlegroups.com>
Source record: 1668
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Mark The Moron Morgan wrote:
cease and desist your harrassment

263. Add money to your Paypal account with OPRAH MI5bo

Newsgroup: rec.radio.amateur.space
Date: 2006-08-15 22:52:43 UTC
From: NSI <af.irani@afyhpami.com>
Message-ID: <PUyEg.57520$vj1.16388@bignews5.bellsouth.net>
Source record: 1671

Read this message until the end, and you will find out how the money flows in easy !!!!.
Follow the steps and it WILL work. Trust me !!!!!.

It's NOT illegal and it is NOT a scam !!!!!.

PROVEN ON OPRAH! Reported in the Wall Street Journal!!!!

The only thing you need is : - E-MAIL ACCOUNT
- PREMIER (FREE) or BUSINESS PAYPAL ACCOUNT
- $6 on this account (The only investment)
- 30 minutes of your time

There is no limit on how much money you can recieve, and you haven't got anything to lose with this Business program. I will explain how it works !!!!!.

Follow these 4 easy steps and it WILL work !!!!!.

STEP 1 : SIGN UP FOR A FREE PAYPAL ACCOUNT !!!!!.

Paypal is a free and safe way to pay and receive money on the Internet.
Creating a account is as easy as creating a MSN account.
Copy and paste the next line in your Internet browser and sign up.
HTTP://WWW.PAYPAL.COM

Be sure to sign up for a FREE Premier or Business account and not for a Personal account. You cannot receive CREDITCARD payments with a Personal account and we can't have that. Do we !!!!!.

STEP 2 : SENT $6 TO YOUR PAYPAL ACCOUNT

This is your only investment to receive the money with ease.

With your Paypal account, send $1 to each e-mailadres listed below.
!!!!! IMPORTANT !!!!! Be sure to use this SUBJECT : *PLEASE PUT ME ON YOUR EMAIL LIST* when you send the money.

1) martine@pilote.net
2) dexxatol@netcourrier.com
3) armygirl8568@hotmail.com
4) comjii@starband.net
5) sinnek@bellsouth.net
6) nsi@nelasat.com

STEP 3 : PUT YOUR E-MAIL ADDRESS ON THE BOTTOM OF THE LIST

After you have send $1 to each e-mail address, put your e-mail address on the 6th place.
Remove e-mail address number 1, and move each e-mail address 1 step up the ladder.
!!!!! IMPORTANT !!!!! BE SURE THAT THE E-MAIL ADDRESS YOU USE IS THE SAME AS YOU USED TO SIGN UP AT PAYPAL.

Remember that this is LEGAL. You are creating a service : an e-mail servicelist.

STEP 4 : UPLOAD OR COPY THIS MESSAGE TO NEWSGROUPS, FORUMS ETC AND EMAIL IT TO ALL YOUR FRIENDS!

There are 32,000 newsgroups. Upload or copy this message to at least 200 newsgroups or forums etc, but ..... remember that the more your upload the more people will see your message and the MORE MONEY WILL FLOW IN.

How to upload to newsgroups and forums? :

After you have followed step 1,2,3 and 4, save this message (and copy so you can use it again).
Use your Internet browser and Outlook Express or another newsreader and try to find FORUMS, NEWSGROUPS,
BULLETIN BOARDS, DISCUSSION GROUPS, CHAT SITES and ONLINE COMMUNITIES. Use GOOGLE or use a NEWSERVER.
Use every option to post this message. Download PostXpert to send 1 message to more NEWSGROUPS at the
same time.

!!!!! REMEMBER !!!!! The more you post this message the more MONEY WILL FLOW IN.

Why does this Business program work so well !!!!!.

Lets asume that from the 200 (or more) messages that you have posted, only 5 people respond, you will have your
$6 back that you have invested. Those 5 people will each send at least 200 messages with your e-mailadres on
number 4. That's 6 x 6 x $1 = $36. The next 25 people will also send 200 messages with your adres on number 3. That's 36 x 6 x $1 = $216. The next 216 people also send 200 messages with your name on number 2. That's 216 x 6
x $1 = $1296!. Those 1296 people again also send 200 messages with your name on number 1. That will give us a total of 1296 x 6 x $1 = $7,776.

Now the last tier! 7776 x 6 x $1 = $46,656!!!!!!

This is only a EXAMPLE with 6 reactions. You WILL get MORE responses than that.

Remember that most newsservers will leave the posted messages on there servers for about 2 weeks. If you will post your message again, it WILL again start from the beginning. So you can repeat this over and over again.

Everyday MILLIONS of people are ONLINE and reading these messages, JUST LIKE YOU RIGHT NOW. I also was sceptical in the beginning and have read a lot of these messages. I also thought that it was bullshit.
Until I thought : What the hell!, only $6. What's $6 and a couple of minutes of my time to solve my money problems.

!!!!! REMEMBER !!!!! Follow every step, and IT WILL WORK, TRUST ME. !!!!!

!!!!! BEST WISHES AND GOOD LUCK !!!!!

w)O>+;)<9UVS;F>qaGL<Uq#v`V6(F]- rM;$g+!4IIQ*827?H4

264. Cease and desist breathing, Markie

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 00:11:02 UTC
From: kb9rqz_child_molester@yahoo.com
Message-ID: <1155687062.084385.29180@i42g2000cwa.googlegroups.com>
Source record: 1669
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

an old fraud wrote:
> Mark The Moron Morgan wrote:
> cease and desist your harrassment

STFU, spammer.

265. Re: Cease and desist

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 00:13:03 UTC
From: an_old_friend <konstans@hotmail.com>
Message-ID: <1155687181.832750.241820@p79g2000cwp.googlegroups.com>
Source record: 1670
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

kb9rqz_child_moles...@yahoo.com wrote:
cease and desist

266. Re: Please cease and desist there are gruops for that sort content

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 12:08:50 UTC
From: Mark@kb9rqz.com
Message-ID: <sl26e29tf98k100bcmb6iutvu0g4ovupll@4ax.com>
Source record: 1672
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

On Tue, 15 Aug 2006 15:17:23 -0400, "Mark The Moron Morgan"
<konstans@homomale.com> wrote:
cease and desist
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

267. STFU

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 12:31:10 UTC
From: Not Cocksucker Lloyd <not_time_turd_lloyd@yahoo.com>
Message-ID: <1155731470.893781.68090@m73g2000cwd.googlegroups.com>
Source record: 1673
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

an_old_friendless cocksucker wrote:
> cease

Cease breathing.

268. cease desist and grow up

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 15:49:28 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155743368.829657.131340@m79g2000cwm.googlegroups.com>
Source record: 1674
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

```
Not Cocksucker Lloyd wrote:
> an_old_friendless cocksucker wrote:
> > cease
>
> Cease breathing
eom
```

269. Retard Mark makes good spell

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 19:31:58 UTC
From: peewee_lloyd_davies@yahoo.com
Message-ID: <1155756718.845363.87450@b28g2000cwb.googlegroups.com>
Source record: 1675
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

```
an old fraud wrote:
> Not Cocksucker Lloyd wrote:
> > an_old_friendless cocksucker wrote:
> > > cease
> >
> > Cease breathing
> eom

"eom?" BWHAHAHAHAHAHAHAHAHAHA!
```

270. Cease desist and grow up

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 19:56:26 UTC
From: Mark@kb9rqz.com
Message-ID: <q2u6e29s13sf59b0d4isjhl8bgmfst27cp@4ax.com>
Source record: 1676
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

```
On 16 Aug 2006 12:31:58 -0700, peewee_lloyd_davies@yahoo.com wrote:

>
>an old fraud wrote:
>> Not Cocksucker Lloyd wrote:
>> > an_old_friendless cocksucker wrote:
>> > > cease
>> >
>> > Cease breathing
>> eom
>
>"eom?" BWHAHAHAHAHAHAHAHAHAHA!
End Of Message
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com
```

271. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 22:25:53 UTC
From: "Text Medium No. 5" <mhm29x21@meow.flonk>
Message-ID:
<pan.2006.08.16.22.25.51.899513@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.really.leola>
Source record: 1677
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

```
Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
jabbered inanely:
> an old friend wrote:
>> an old friend wrote:
>> > I will resist it.
>> >
>> > I am adivised I have legal right to do so, indeed should any news
>> > provider be persauded to terminate my access i t would give me the one
>> > thing my lawyer lacks to assure me of a postive result in litagation
>> > against Robeson and other parties.
>> >
>> > Robesonn can stopp his assualt anytime
>> >
>> > he can choose to leave or (I hope) he can choose to enage in
>> > discussion of radio related issues on the NG
>> much the same aplies to wisemen a well
>
> Mr Robeson is a welcome poster. He has always tried to help others and
> post on topic.
>
> YOU,otoh, have gone out of your way to post gay filth here. I have copies
> of YOUR posts to prove it. YOU are not welcome here you filty sodomite!
>
> aren't you in violation of the states sodomy laws??

Keep it up. I see many k00k awards in your future, you busted urinal.

--
Shon'ai
"I was told there would be cookies."
Cross-Poasters For Goddess!
Remember: Straight people can't help it!
```

272. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 22:29:00 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155767340.849495.207160@m73g2000cwd.googlegroups.com>
Source record: 1678
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

Text Medium No. 5 wrote:
> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
> jabbered inanely:

> > YOU,otoh, have gone out of your way to post gay filth here. I have copies
> > of YOUR posts to prove it. YOU are not welcome here you filty sodomite!
> >
> > aren't you in violation of the states sodomy laws??
>
> Keep it up. I see many k00k awards in your future, you busted urinal.
and in his past he is Roger Wisemen sometimes called Woger

273. Re: Cease and desist - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 23:15:19 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <bGNEg.6808$Qf.3454@newsread2.news.pas.earthlink.net>
Source record: 1679
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"an_old_friend" <konstans@hotmail.com> wrote in news:1155687181.832750.241820
@p79g2000cwp.googlegroups.com:

>
> kb9rqz_child_moles...@yahoo.com wrote:
> cease and desist
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

274. Re: Cease and desist - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-16 23:15:22 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <eGNEg.6810$Qf.402@newsread2.news.pas.earthlink.net>
Source record: 1680
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"an_old_friend" <konstans@hotmail.com> wrote in news:1155687181.832750.241820
@p79g2000cwp.googlegroups.com:

>
> kb9rqz_child_moles...@yahoo.com wrote:
> cease and desist
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

275. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 06:50:52 UTC
From: FreeSpeechStore <freespeechstore@meow.fuckhead>
Message-ID: <pan.2006.08.17.06.50.51.193526@snarky.trolling.and.mocking.scoville>
Source record: 1681
Cross-posted to:
rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.music.michael-jackson

```
On Wed, 16 Aug 2006 15:29:00 -0700, an old freind wrote:
> Text Medium No. 5 wrote:
>> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
>> jabbered inanely:
>
>> > YOU,otoh, have gone out of your way to post gay filth here. I have
>> > copies of YOUR posts to prove it. YOU are not welcome here you filty
>> > sodomite!
>> >
>> > aren't you in violation of the states sodomy laws??
>>
>> Keep it up. I see many k00k awards in your future, you busted urinal.
>
> and in his past he is Roger Wisemen sometimes called Woger

Figures that a hypocrite like him is the one complaining about "filth".
BTW, put an empty line between your words and the one to whom you're
responding. Makes you easier to read. Oh, and that's "Wiseman", and a
more inappropriate surname could not be imagined...

--
_____________________________________________________________________
Hail Eris!
Not Richard Scoville
Richard M. Scoville is explicitly denied the right to archive any of my
posts, under any of my nyms, on his site, FreeSpeechStore.com
http://tinyurl.com/c222n
"It's claiming authority based on absurd myths and fantasy beings - that
creates anger." -- Kurt Gavin
```

276. The alt.usenet.kooks FAQ

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 10:27:51 UTC
From: Lola Stonewall Riot <popesnarky@meowmeowmeow.org>
Message-ID:
<pan.2006.08.17.10.27.48.146801@meow.disorg.flonk.discord.kookology.alexa.cameron.the.k00k.georgewbush.the.bobo>
Source record: 1682
Cross-posted to: alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

Hail Eris!

Since there appear to be some severe misapprehensions as to the nature and purpose of AUK in certain of the rec.radio.* froups, it seems quite apropos to post the AUK FAQ here (Any disagreement with my point of view on this will either be ignored or re-directed to the FNVW; homophobic disagreement will be re-directed to Mark Morgan; any disagreement more brainless than that is at risk of attention from Fred Teh Bot; ok, I tell a lie, all disagreement is at risk of attention from Fred. In fact, everyone is. Beware.):

1. What is this newsgroup, alt.usenet.kooks (AUK)?

A mass of electrons spread out upon bandwidth scattered across the globe for the express purpose of separating the wheat from the chaff of the net.

2. This is a joke, right? RIGHT?!!

No more a joke than the fact that ISPs let people on every day who have nothing better to do than annoy their neighbors enough to win by popular vote silly little awards created for just such buffoons as them.

3. What's this newsgroup for?

The newsgroup alt.usenet.kooks is for the discovery and discussion of Kooks on Usenet and the Internet. These people are known technically as net.kooks.

4. What's this newsgroup NOT for?

This group exists for recreational Kookology, not for Very Personal Vendetta. It is not to be used for general harassment of someone, or for net abuse such as spamming and flooding and cancelbombing in an attempt to gain vengeance on someone or get the denizens of AUK to shut up. Either way, it won't work, it's very messy, "Bob" will give you triple your money back, and you don't get a life.

Also, we [tinw] are not in the business of harassing the vulnerable or the insane. Occasionally an apparent net.kook proves to be genuinely ill. In such cases the person is disqualified from winning awards and other posters are asked to avoid exarcerbating his or her problems. Similarly, trolling or kook-hunting in support groups is strongly discouraged.

5. Who let this newsgroup in here, and why wasn't I notified?

That's what you get for hogging the Beer Fund.

(Here you can view the control message that started it all, from our Mighty Founder MAC.)

http://www.netcabal.com/auk/cmsg.html

6. Who is a net.kook?

If you post uniquely strange, preferably incomprehensible articles, or you manifest a persistent, extreme, and somewhat bizarre obsession, you just might be a net.kook. And more.

It is important to note the subtle distinction between a net.kook, a net.cretin, a clueless newbie, troll, or garden-variety @$$hole. The newbie, one hopes, can acquire a clue on the installment plan even if he can't afford to buy one for cash; the cretin is merely stupid and/or irritating; the troll makes a fool out of himself by making a fool out of you, the @$$hole is, well, simply that. But a TRUE net.kook has a special fascination derived from his/her/its utter ineffability. Their behavior is irrational, if not downright weird, but they are seldom merely boring.

It is not considered appropriate to nominate clueless newbies, trolls, or longwinded spambrains as net.kooks. It is acceptable to nominate net.cretins, or simply to present them, without nomination, for whatever minor amusement value they may have; but the real focus here is on net.kooks in all their raging, indomitable glory.

Important Disclaimer: the fact that someone has been proclaimed a net.kook does not imply any psychological diagnosis in and of itself. A net.kook may or may not be clinically insane; that is not the concern of the AUK audience.

We hope.

7. Can you show me a few examples?

I'd rather not, but it may help to clarify things... The person who posted a handful of meaningless, ill-formed newgroup messages on May 21, 1994 was a Clueless Newbie. The person who hung around alt.religion.kibology during April and May 1994, constantly posting boilerplate "warning" messages telling people that ARK messages were intentionally meaningless, was a net.cretin. The people who post demented "scientific" theories, like Archimedes Plutonium's concept of the universe being one giant atom of plutonium, and seem incorrigible to criticism, are moderate net.kooks. The sort of being who constantly raves about the conspiracy against her/him/it is an extreme net.kook, especially if he/she/it automatically assumes that anyone who questions their world-view is an agent of the conspirators or is an ultra right-wing/left-wing extremist, and hides behind an anonymous remailer to avoid "persecution" even though they would get one hell of a lot less of it by not posting at all.

8. How do I present a Kook on this group?

The preferred technique is to get the suspected Kook to start posting to AUK so that we can all see him/her/it in all their first-hand Glory. You can do this by posting followups to the suspect's weirder messages, with your followups nonchalantly crossposted to AUK. If the suspect responds to your messages without editing the Newsgroups line, you've achieved your goal.

Another acceptable method is to repost, complete and unedited, one or two of the suspected Kook's recent rants. If you do this, please provide a brief intro in the header describing what the hell you're doing, such as indicating who this person is, what group you found the message on, or why you think the rest of us should give a rat's @$$ about it.

You should be aware that if you try this with some perfectly reasonable posting, you may be flamed to net.hell and back and probably suspected of being a net.loon yourself. It is also considered extremely lame to nominate someone as a Kook simply because you have lost, or at least failed to win, a debate with them; persistently doing so is likely to get you nominated for Kook Awards. That someone fails to perceive the self-evident, unassailable wisdom of your viewpoint does not, in and of itself, constitute Kookery.

9. What are the Kook Awards?

The newsgroup alt.usenet.kooks offers a variety of widely-recognized and highly dubious honors for your service, applying to net.kooks everywhere. They recognize several kinds and many levels of net.kookery.

Here is a detailed list of AUK awards and descriptions.

http://www.netcabal.com/auk/awards.html

10. Who the FSCK appointed YOU net.kookologist/god/nazi etc.

Nobody. We have a Gift.

11. Are there any holidays in AUK?

Why yes, there sure are:

March 30th - CALL to ARMMs

Commemorating the earliest most virulent Kook post flood of Usenet, and the great flamewar that followed in its wake.

June 26th - KOOKS DAY

Named in commemoration of Earl Curley checking into the Motel Deep 6 to serve a major in the pine penalty box, the same date as Edmond Wollmann got arrested riding the San Clemente railway...on his motorcycle.

August 15th - DEAD DOC TAVISH DAY

Named in honor of the death of one of Usenet's most famed identities due to excessive Usenet exposure; his virtual corpse is buried in a rural cemetery near New Bremen, Texas

September 10th - KAZOO DAY

This holiday commemorates Raymond Ronald "Kazoo" Karczewski's conviction for seven felonies. May Raymold be a warning to all kooks who are tempted to think that a "Sovereign Christ" is above the law.

December 20th - AUK BIRTHDAY

The anniversary of the newgrouping of alt.usenet.kooks

12. What should I do if I'm paged on the Red Courtesy Telephone?

Give the caller Gandalf the Gray's speech to the demon. Verbatim.

13. Is alt.usenet.kooks archived anywhere?

Why would you even *want* to know? [But if you truly must know, GIYF. You masochist, you.]

14. What should we do about the book?

Burn it.

15. Where can I find out more about net.kooks?

Several mini-FAQs on classic kooks of the past and present (along with several non-kooky legendary netters) are available on the World Wide Web in various archives. Be sure to set aside coffee and cats before reading. [Try insurgent.org/kook-faq/]

16. What are the AUK Offices?

As well as the kook awards, kooks may compete to hold office for a month or longer. Nominations are made in exactly the same way as for awards; the difference is that the previous holder of the office always appears on the ballot paper when a new candidate emerges, and the winner remains in office until challenged again. At present, the offices are as follows.

Darth Bawl -

This office is held by Usenet's biggest crybaby.

Village Idiot -

The name says it all.

Kooki Information Minister -

Named in honour of Iraq's Mohammed Saeed al-Sahhaf, this office is held by the kook whose claims are most noticeably at variance with known facts.

Ministry of Circle Jerks -

Although many kooks are lone wolves, a few like to make friends with those who are as delusional as themselves. This office rewards the slurpfests that often ensue.

17. Are there any net.kook awards outside of AUK?

At various points of time there have been several, from the Christian groups' Steebie Award to alt.fan.art-bell's Angstrom Medal. At least two newsgroups, talk.politics.guns and comp.systems.mac.advocacy, have given out their own Kook of the Month awards. Check around from time to time to see what other net.kook awards might be around. [alt.atheism does them, too.]

18. What is the Cabal?

From the beginning of Usenet time, there has been but one force capable of holding it in check to remain in the realm of mortal existence. For today's Usenet world you need a Giant. A Behemoth. A Cabal of IMMENSE PROPORTIONS. A REALLY *BIG* *CABAL* to offer all news ORDER.

Within this force is the most ruthless and efficient organization on all Usenet, known as the Cabal Obsidian Order (COO). If *YOU* wish to know of this entity, read, learn, and do as you will.

SEE THE LIGHT OF COLLECTIVE WISDOM!!!

A. I *SAID*, what is the CABAL?

There Is No Cabal. Long Live The Cabal.

B. How does the Cabal function??

As well as any apocryphal organization can hope to function.

C. What are the weaknesses of the Cabal?

<chortle> What weaknesses?

D. What is the hierarchy and power structure of the Cabal?

Oh, you don't need to know that. Really. You can trust us, especially when it comes to information you haven't paid for.

E. What is the Cabal Obsidian Order?

The Cabal Obsidian Order (COO) is a profoundly secret collective of operatives designed to outrun, outgun and Eliminate the most vile scum and villainy the net has to offer.

F. How do I know if the COO is responsible for something?

If the COO's operatives are doing their job correctly, they'll be laughing at whoever is actually responsible.

G. Who are the leaders of the COO?

Leaders? Where we function we don't need Leaders.

H. What is the Beer Fund?

The more you contribute to it, the more we will tell you.

I. How may I apply to become an operative of the COO?

Pitiful begging at the Vote Wrangler's feet might help. Then again it might not.

19. Who is the FNVW?

Why, our highly esteemed Friendly Neighbourhood Vote Wrangler (FNVW), whose benevolent supreme dictatorship runs the electoral wheels of our great realm. Seven fearless folk have served, with distinction:

AUK VOTE WRANGLERS

Craig Dickson (1994-1995)
Matthew Legare (1995-1997)
Killfile Daemons (1997)
Robbie Honerkamp (1997-1998)
Phoenix (1997-2004)
Peter J Ross (2004-2006)
Sean Monaghan (2006-Present)

On retirement, Phoenix accepted the high office of Friendly Neighborhood "Bob"father.

20. Do I have what it takes to BE a Vote Wrangler?

<chortle> If you have to ask, you don't have what it takes.

21. Who do you %$#@!s think you are to oppose ME, Lord High Poster-Child of the Macrocosmic Universe?

We are the ones who can and will humiliate your @$$ if you use our group as your personal piss bowl. You are a freak of the universe. You do not give the orders here. And whether you like it or not, the universe is laughing behind your back.

22. That was MEAN, just plain MEAN!!!

Payback's a bitch, ain't it?

23. Should I expect ONE CONSISTENT response to my rude and obnoxious online behavior from the denizens of AUK?

Absolutely NOT.

24. To whom should I complain if I think I have been treated unfairly?

<Darth Vader>
You think you have been treated unfairly? </Darth Vader>

25. What kind of response can I expect as a result of my stupid online behavior at AUK?

Guilty party receives one or a combination thereof of the following assorted reactions (not at all limited to these, mind you):

1. Complete silence while we blow you off
2. Complete silence while we reload
3. Complete silence while we pull the plug on your account
4. Complete silence while we sleep at the switch
5. Complete silence while we sleep in our beds
6. Complete silence while we laugh behind your back
7. Complete silence while we wipe the splattered food and/or drinks off our screens
8. Complete silence while we contemplate the known macrocosmic universe
9. Complete silence while the Vote Wrangler pays good money to watch professional Denver teams find new ways to lose
10. Complete silence while we bask in the pure glow of our obnoxiously self-righteous selves
11. Complete silence while we play high-stakes poker with Snoopy, Spike, Andy, Olaf, Marbles and Woodstock
12. Complete silence while we never notice your NoCeM'd post
13. Complete silence while we never notice your spam-canceled post
14. Complete silence while we run your rude and obnoxious posts through goofyizers for reposting
15. Complete silence while the Trekkies among us watch the USS Defiant blast bad guys' ships into rubble and fly through the debris with that nice halo of sparks effect
16. Complete silence while we wait for our Gates-sponsored software systems to uncrash themselves
17. General laughter at your expense
18. General laughter and pointing at your expense
19. General laughter, pointing and personal insults at your expense
20. Someone exposes your true service provider to the Rabble
21. Someone does any of 1-20 and reports you to your state's Attorney General
22. Someone does any of 1-21 and reports you to the FBI National Computer Crime Squad (nccs@fbi.gov)
23. Someone does any of 1-22 and does highly amusing parodies of you during the entire process
24. Talk amongst ourselves about life, love and why they sell 8-hot-dog weenie sets with 10-bun packages
25. Sounds of awe as we wonder with dropped mouths how you were able to make a greater fool of yourself than you already had
26. Sounds of astonishment as we MARVEL at the FREAK
27. Flames in your generally specific direction
28. Flames of you in the third, fourth and fifth person
29. Flames from the Vote Wrangler from the other side of the Galactic Killfile just to annoy all hell out of you
30. Nominations for many noteworthy Kook awards

26. Can I really be kicked off my ISP for...

Being a total @$$hole?

If you try hard enough.

Top-posting like the pathetic imbecile that I am?

Usually not, but we can always try.

Forging someone else's valid e-mail address?

Absolutely.

Posting multiple copies of the same message to individual news groups (Excessive Multi Posting [EMP])?

Of course. It's the SPAMMING, stupid.

27. Can I really be thrown in jail for posting threatening messages?

Yes. People have been tried and convicted for sending threatening or harassing Email or Usenet posts. We do NOT support censorship of the Internet; however, posting a message stating you are going to cause virtual or unvirtual harm to someone will probably gain you a visit from your Friendly Neighborhood FBI Agent.

28. Fine. I'll just remain anonymous. That'll work, right?

BWWAAAAAAAAA HA HA HA HA HA HA HA HA!!!!!!!!!!!!!

Try it, pinkboy. An anon remailer service can be forced to turn you in for copyright violation, harassment, stalking; you name the crime - they've got the time. If you ran an anon remailer service what would be the point of protecting flagrant abusers of the net and the Law??

29. Okay, then I'll bust your #$%&$*!! @$$ off AUK instead!

Uh... yeah. Many denizens of AUK are abuse admins, know abuse admins, sleep with abuse admins, or otherwise have years of experience dealing with and educating others about precisely your kind of dubiosity. A good account is a terrible thing to waste, so don't sacrifice yours on our altar.

30. I just realized I am a Maroon. How can I improve my standing in the eyes of the Internet, my balloon doll, and, most importantly, "Bob"?

REPENT. The End is always near.

--

_____
All Hail Discordia! Flonk Leader #2 & #11 1/9; mhm 29 x 21
The Discordian People's Most Powerful and Revered Being (without portfolio)
Economic Left/Right: -7.63
Social Libertarian/Authoritarian: -7.38
Real email should go to gmail.com, otherwise the same as above.

Quotable quotes:
"Three OS's from corporate-kings in their towers of glass,
Seven from valley-lords where orchards used to grow,
Nine from dotcoms doomed to die,
One from the Dark Lord Gates on his dark throne
In the Land of Redmond where the Shadows lie.

One OS to rule them all, One OS to find them,
One OS to bring them all and in the darkness bind them,
In the Land of Redmond where the Shadows lie."'

"Covert ace nudists in the Vatican!"

"Real men eat me."

"Any priest or shaman must be presumed guilty until proved innocent." --
Lazarus Long

"Laws count, the US Constitution count more, and we need to have judges
on the bench who are going to Carry Out those laws, not Make Law or
Interpret Law." -- John "Easily" Shocked contradicts his own words on
the overriding importance of society's reluctance to accept
homosexuality, in Message-ID: <brIDe.67062$Qo.12613@fed1read01>

"Heterosexuality is not *normal*, it's just more /common/."

"For the most part, morality is universal." -- John "Easily" Shocked

"Gay, straight, they all want blow jobs."

"Bad stories are bad stories. We just call them as they are." -- DBurns
demonstrates his sheer cluelessness on Mar 9, 2002, at 6:25 pm, in
rec.arts.drwho

"Oh, and Snarky, if you're listening: Fuck you, Asshole! Enjoy the
few remaining days of your internet access." Kooky troll John Long
gets delusional, in Message-ID: <3C36AA50.31DD0...@epix.net>

A sad little top-poster with the nym of "Choirboy" once lamed:

> Well, gee, coming from an asshole like *you* ...
> ESAD, ya 'ho bitch.

Please to be posting proof, you facile fridgemagnet.
-- replied the Aussie rapier, aka fnord/Affinity, in a now-lost message

"I have a dream...that one day the whole world will know the joy of
my nipples!" -- Stimpy

"The meek shall inherit the earth -- 2' x ~6' x 6' of it."

"If English was good enough for Jesus Christ, it's good enough for
these U-nited States!" -- an unknown politician, in a senate floor
debate over bilingual education.)

"The policeman isn't there to create disorder, the policeman is
there to preserve disorder" -- Mayor Richard Daley of Czechago,
September 23, 1968

"Moral: it's not a plot hole if two eyes and two brain cells can
solve it." -- Keith Goodnight, in atbvs, on NNTP-Posting-Date: Mon,
03 Jun 2002 16:46:02 EDT

"Kung fu's useful!"

"Bernadette, you ignorant oaf.
Bernadette, you brainless dullard.
Bernadette, you feeble-minded wag.
Bernadette, you blathering baboon.
Bernadette, you babbling boor.
Bernadette, you depraved dolt.
Bernadette, you stinking slimeball.
Bernadette, you yammering yak.
Bernadette, you lily-livered lush.
Bernadette, you hard-hearted hulk."
-- Mother Be Strange gets very hard on herself, in
MID: <94b6d5f1.0203221829.3587ccd3@posting.google.com>

"[Lurlean] would never dream of sleeping with a dog. The Bible's against it. You don't seem to care what the Bible says, so she thought maybe you gave that a try too -- in addition to sucking on Steve, letting him play with your butt, and having seven different lesbian lovers in our bed."
-- Sistah Moonshine shocks a.p.h. with the revelation that she got it off with "Romaine Brooks", in a now-vanished message

"I should have known my boss was evil when he called my jumping onto my chair to praise the Lord out loud 'inappropriate behavior.'" -- Sistah Moonshine: Oppressed Christian, in another vanished message

"I made a pact with the devil." -- Sistah Moonshine, from her dream diary

"'drink that hooch,' they would say, 'and then smoke that joint. Bury your head in that strange woman's crotch and bring her to a thunderous climax with your tongue, then tell her no man could ever give her that much pleasure in a thousand years. Tell her to leave her husband and become a lesbian. Drip hot wax on that pervert's nutty buddies and then charge him extra for the privilege.'" -- Sistah Moonshine is now working on an erotic epic to outmatch Anne Rice.

"Roe V Wade has zero bearing on my existence other than it affects it adversely."
-- Johnny Wentzky never had much truck with "logic".

"You are the GOD-DAMNED, IGNORANT LIAR here.
Now, that is not me taking the Lord's name in vain."
-- John Wentzky: Living proof of the Death of Irony, in Message-ID:
<jljOe.5348$ZD4.3...@bignews3.bellsouth.net>

"Stupidity excuses nothing. It's only a reason...." -- Phxbrd

"The whining has just begun." -- John Wentzky

"It's not nice to misrepresent Mother Nature."

"Gay men deserve to die." -- John Wentzky

Joseph Bartlo wrote:
> A big mean meanie and heavyweight kookologist responding to my text
> and making me look like a colossal idiot. No more whinges to this mean
> person who keeps pounding my ass into the ground - you go on the lits
> of people who have trounced me. The state I left that group was
> embarassing to me. There were too many posts to follow them all, and I
> know a lot of people were saying mean things about me - but a few
> sucked up. So it was best at that point rather than to browse all the
> crap to simply make a standard post telling people a lot of bullshit
> I'd just made up. I did that on many other groups, but the war is only
> fought here. If anyone thinks I am the least bit kidding, consider how
> long this has been going, how little I have accomplished (i.e., how
> much the mean, mean kookologists have changed everything), and that I
> have a lot of goats to blow.
-- in MID: <43745576.1E07F998@verizon.net>

"America is supposed to be the world's melting pot,
so melt!!" -- from some BBS

"There are no governors anywhere."

"The personal _is_ political."

"If humans decline to exercise faith, then an
omnipotent God is impotent." -- Teresita, x-posted to APH

"Gabrielle?! Monkey-man, you bring her back! You know, you two are
beginning to irritate me with these obsessions of yours!
Fish don't just catch themselves!" -- Xena, "Fins, Femmes, &
Gems" (64/318)

"I don't think so because, I'm a whole lot smarter and far less bigoted
than the average Jew, although smart Jews as having collaborated with
your Skull and Bones Third Reich certainly have more of those
in-your-face balls than I'd ever have to work with." -- Guthball drools
all over my irony meter, in MID:
<fea985f50107c84f4d1d4894114d1989.49644@mygate.mailgate.org>

"This bandwidth has been rescued from AOL." -- mimus

No-one expects the Fannish Inquisition!

277. Re: The Tholen classification

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 11:34:09 UTC
From: "Text Medium No. 5" <mhm29x21@meow.flonk>
Message-ID:
<pan.2006.08.17.11.34.08.255735@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.really.leola>
Source record: 1683
Cross-posted to: alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy,alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

Hail Eris! On Wed, 16 Aug 2006 20:57:15 -0600, Art Deco jabbered inanely:
> TransWench wrote:
>>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>Herself suddenly made me reply to Art Deco:
>>> Classic "oar pin" Tholenator(tm) <"tholen@antispam.ham"> tholed:
>>>
>>>>> As with OS/2; it is an example of faltering support by the
>>>>> manufacturer and vendor of the product.
>>>>
>>>>On what basis do you make that claim, Loonie?
>>
>>Is there anyone who _can't_ WHOMP you, Tholok00k? Loonie's "claim" is
>>valid, OS/2's support from both M$ and IBM is faltering, and cooa is
>>under the dominion of Teh Empire of MEOW.
>
> Another fact glaring him in the face that he will deny and dismiss with
> "classic erroneous ...".

Without actually making any sort of logical justification for his
objection, too, I'd wager.

>>> embowel 0.462806447
>>
>>dispersion 0.009162171119676271
>
> desolation 0.390269598

avocation 0.9999999872143876

--
Shon'ai
"I was told there would be cookies."
Cross-Poasters For Goddess!
Remember: Straight people can't help it!

278. Re: Cease desist and grow up

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 12:45:09 UTC
From: Not Cocksucker Lloyd <not_time_turd_lloyd@yahoo.com>
Message-ID: <1155818709.467035.142500@h48g2000cwc.googlegroups.com>
Source record: 1684
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Mark@kb9rqz.com wrote:
> On 16 Aug 2006 12:31:58 -0700, peewee_lloyd_davies@yahoo.com wrote:
>
> >
> >an old fraud wrote:
> >> Not Cocksucker Lloyd wrote:
> >> > an_old_friendless cocksucker wrote:
> >> > > cease
> >> >
> >> > Cease breathing
> >> eom
> >
> >"eom?" BWHAHAHAHAHAHAHAHAHAHA!
> End Of Message

BWHAHAHAHAHA You only backpedal again.

279. Re: Cease desist and grow up

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 14:03:33 UTC
From: Mark@kb9rqz.com
Message-ID: <fpt8e2pat54sbvle5jp3bnbkpk599voa3p@4ax.com>
Source record: 1685
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

On 17 Aug 2006 05:45:09 -0700, "Not Cocksucker Lloyd"
<not_time_turd_lloyd@yahoo.com> wrote:

>
cease and desist your harrassment
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

280. cease and desist your harrassment

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 14:11:24 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155823884.905239.280300@i3g2000cwc.googlegroups.com>
Source record: 1686
Cross-posted to: alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

Text Medium No. 5 wrote:
>
cease and desist your harrassment

281. cease and desist your harrassment

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 14:16:20 UTC
From: an old freind <kb9rqz-ars@hotmail.com>
Message-ID: <1155824180.745487.133930@p79g2000cwp.googlegroups.com>
Source record: 1687
Cross-posted to: rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

Lola Stonewall Riot wrote:
>
!cease and desist your harrassment

282. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 14:30:52 UTC
From: an old friend <kb9rqz@hotmail.com>
Message-ID: <1155825052.024752.75220@i3g2000cwc.googlegroups.com>
Source record: 1688
Cross-posted to: rec.radio.amateur.policy,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.music.michael-jackson

FreeSpeechStore wrote:
> On Wed, 16 Aug 2006 15:29:00 -0700, an old freind wrote:
> > Text Medium No. 5 wrote:
> >> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
> >> jabbered inanely:
> >
> >> > YOU,otoh, have gone out of your way to post gay filth here. I have
> >> > copies of YOUR posts to prove it. YOU are not welcome here you filty
> >> > sodomite!
> >> >
> >> > aren't you in violation of the states sodomy laws??
> >>
> >> Keep it up. I see many k00k awards in your future, you busted urinal.
> >
> > and in his past he is Roger Wisemen sometimes called Woger
>
> Figures that a hypocrite like him is the one complaining about "filth".
> BTW, put an empty line between your words and the one to whom you're
> responding. Makes you easier to read. Oh, and that's "Wiseman", and a
> more inappropriate surname could not be imagined...
>
> --
> ____
> Hail Eris!
> Not Richard Scoville
> Richard M. Scoville is explicitly denied the right to archive any of my
> posts, under any of my nyms, on his site, FreeSpeechStore.com
> http://tinyurl.com/c222n
> "It's claiming authority based on absurd myths and fantasy beings - that
> creates anger." -- Kurt Gavin

283. Re: well Mr Slow code has decicded to highlight the problems of the NG

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 17:32:36 UTC
From: "Mr. Hammington" <mr_hammington@yahoo.com>
Message-ID: <1155835956.231036.305820@m79g2000cwm.googlegroups.com>
Source record: 1689
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

```
an old friend wrote:
> donttrythisathome wrote:
> > "an old freind" <kb9rqz-ars@hotmail.com> wrote in message
> > news:1155772639.440140.251430@p79g2000cwp.googlegroups.com...
> > > by truly spamming the ng which of course various parties will insist it
> > > perfectly ok further highlighting the true motives of the Wismen and
> > > Robeson
> > >
> >
> > I think both of them should hop up on each other's
> > shoulders and tell the other "I love you".
>
> for the own sake perhaps but mental help or take out from dr k would be
> a better for the rest of us

STFU Marqueer.................
lunch is served,now go feast of the shit bag.
```

284. Re: well Mr Slow code has decicded to highlight the problems of the NG

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 18:37:02 UTC
From: an old friend <kb9rqz@yahoo.com>
Message-ID: <1155839822.732061.279630@h48g2000cwc.googlegroups.com>
Source record: 1690
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

Mr. Hammington wrote:
> an old friend wrote:
> > donttrythisathome wrote:

> > for the own sake perhaps but mental help or take out from dr k would be
> > a better for the rest of us
>
> STFU Marqueer.....
cease and desist wismen

285. Re: cease and desist your harrassment

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 20:07:58 UTC
From: Bookman <thebookman@kc.rr.comNULL>
Message-ID: <i5j9e2ddmslqvh2kv83fdqup61fg7qff09@4ax.com>
Source record: 1691
Cross-posted to: alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

On 17 Aug 2006 07:11:24 -0700, "an old freind"
<kb9rqz-ars@hotmail.com> wrote:

>Text Medium No. 5 wrote:
>>
>cease and desist your harrassment

What harassment?

ESL!

--
Bookman -The Official Overseer of Kooks and Trolls in AFA-B
Kazoo Konspirator #668 (The Neighbor of the Beast)
Clue-Bat Wrangler
Keeper of the Nickname Lists
Despotic Kookologist of the New World Order
Hammer of Thor award, October 2005
COOSN-266-06-89425

"I'd love to kill you in a ring" - Bartmo gets all touchy-feely

"****SPV..... So yes I am an idiot."

"ASK THE NWS, YOUR TAX DOLLAR GOES TO THEM NOT TO DR.TURI."
- Mr. Turi explains how to accurately predict hurricanes

Bookman is yet another Usenet fignuten, meaning naysayer and/or
rusemaster of their incest cloned Third Reich. In other words, you're
communicating with an intellectual if not a biological clone of
Hitler.
- Brad Guth tries to wax "scientific", but invokes Godwin, instead.

WWFSMD?

286. Re: cease and desist your harrassment

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 21:19:03 UTC
From: "Text Medium No. 5" <mhm29x21@meow.flonk>
Message-ID:
<pan.2006.08.17.21.19.02.560831@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.really.leola>
Source record: 1692
Cross-posted to: alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy

Hail Eris! On Thu, 17 Aug 2006 20:07:58 +0000, Bookman jabbered inanely:

> On 17 Aug 2006 07:11:24 -0700, "an old freind" <kb9rqz-ars@hotmail.com>
> wrote:
>
>>Text Medium No. 5 wrote:
>>>
>>cease and desist your harrassment
>
> What harassment?
>
> ESL!

Mr. Mark Morgan is severely confused as to what constitutes
"harassment". Either that, or else he's complaining about us(tinu)
bugging Tholenator.

--
Shon'ai
"I was told there would be cookies."
Cross-Poasters For Goddess!
Remember: Straight people can't help it!

287. Re: cease and desist yor harrassment - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:24:36 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <E06Fg.5091$Sn3.4009@newsread3.news.pas.earthlink.net>
Source record: 1693
Cross-posted to: alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy

"Text Medium No. 5" <mhm29x21@meow.flonk> wrote in
news:pan.2006.08.17.21.19.02.560831
@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.reall
y.leola:

> Hail Eris! On Thu, 17 Aug 2006 20:07:58 +0000, Bookman jabbered inanely:
>
>> On 17 Aug 2006 07:11:24 -0700, "an old freind" <kb9rqz-ars@hotmail.com>
>> wrote:
>>
>>>Text Medium No. 5 wrote:
>>>>
>>>cease and desist your harrassment
>>
>> What harassment?
>>
>> ESL!
>
> Mr. Mark Morgan is severely confused as to what constitutes
> "harassment". Either that, or else he's complaining about us(tinu)
> bugging Tholenator.
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

288. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:24:48 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <Q06Fg.5098$Sn3.3482@newsread3.news.pas.earthlink.net>
Source record: 1694
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

"an old friend" <kb9rqz@yahoo.com> wrote in
news:1155839822.732061.279630@h48g2000cwc.googlegroups.com:

>
> Mr. Hammington wrote:
>> an old friend wrote:
>> > donttrythisathome wrote:
>
>> > for the own sake perhaps but mental help or take out from dr k would
>> > be a better for the rest of us
>>
>> STFU Marqueer.....
> cease and desist wismen
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

289. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:25:02 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <216Fg.5104$Sn3.485@newsread3.news.pas.earthlink.net>
Source record: 1695
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

"Mr. Hammington" <mr_hammington@yahoo.com> wrote in
news:1155835956.231036.305820@m79g2000cwm.googlegroups.com:

>
> an old friend wrote:
>> donttrythisathome wrote:
>> > "an old freind" <kb9rqz-ars@hotmail.com> wrote in message
>> > news:1155772639.440140.251430@p79g2000cwp.googlegroups.com...
>> > > by truly spamming the ng which of course various parties will
>> > > insist it perfectly ok further highlighting the true motives of the
>> > > Wismen and Robeson
>> > >
>> >
>> > I think both of them should hop up on each other's
>> > shoulders and tell the other "I love you".
>>
>> for the own sake perhaps but mental help or take out from dr k would be
>> a better for the rest of us
>
> STFU Marqueer.................
> lunch is served,now go feast of the shit bag.
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

290. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:31:40 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <g76Fg.5133$Sn3.1230@newsread3.news.pas.earthlink.net>
Source record: 1696
Cross-posted to: rec.radio.amateur.policy,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.music.michael-jackson

"an old friend" <kb9rqz@hotmail.com> wrote in
news:1155825052.024752.75220@i3g2000cwc.googlegroups.com:

>
> FreeSpeechStore wrote:
>> On Wed, 16 Aug 2006 15:29:00 -0700, an old freind wrote:
>> > Text Medium No. 5 wrote:
>> >> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
>> >> jabbered inanely:
>> >
>> >> > YOU,otoh, have gone out of your way to post gay filth here. I have
>> >> > copies of YOUR posts to prove it. YOU are not welcome here you
>> >> > filty sodomite!
>> >> >
>> >> > aren't you in violation of the states sodomy laws??
>> >>
>> >> Keep it up. I see many k00k awards in your future, you busted
>> >> urinal.
>> >
>> > and in his past he is Roger Wisemen sometimes called Woger
>>
>> Figures that a hypocrite like him is the one complaining about "filth".
>> BTW, put an empty line between your words and the one to whom you're
>> responding. Makes you easier to read. Oh, and that's "Wiseman", and a
>> more inappropriate surname could not be imagined...
>>
>> --
>> ____
>> __ Hail Eris!
>> Not Richard Scoville
>> Richard M. Scoville is explicitly denied the right to archive any of my
>> posts, under any of my nyms, on his site, FreeSpeechStore.com
>> http://tinyurl.com/c222n
>> "It's claiming authority based on absurd myths and fantasy beings -
>> that creates anger." -- Kurt Gavin
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look more stupid.

Take a break from the radio groups for a while, Maybe work on your moon bounce some more.

SC

291. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:31:57 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <x76Fg.5134$Sn3.3586@newsread3.news.pas.earthlink.net>
Source record: 1697
Cross-posted to:
rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.music.michael-jackson

FreeSpeechStore <freespeechstore@meow.fuckhead> wrote in
news:pan.2006.08.17.06.50.51.193526@snarky.trolling.and.mocking.scoville:

> On Wed, 16 Aug 2006 15:29:00 -0700, an old freind wrote:
>> Text Medium No. 5 wrote:
>>> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
>>> jabbered inanely:
>>
>>> > YOU,otoh, have gone out of your way to post gay filth here. I have
>>> > copies of YOUR posts to prove it. YOU are not welcome here you filty
>>> > sodomite!
>>> >
>>> > aren't you in violation of the states sodomy laws??
>>>
>>> Keep it up. I see many k00k awards in your future, you busted urinal.
>>
>> and in his past he is Roger Wisemen sometimes called Woger
>
> Figures that a hypocrite like him is the one complaining about "filth".
> BTW, put an empty line between your words and the one to whom you're
> responding. Makes you easier to read. Oh, and that's "Wiseman", and a
> more inappropriate surname could not be imagined...
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

292. Re: Cease desist and grow up - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:32:14 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <O76Fg.5135$Sn3.3764@newsread3.news.pas.earthlink.net>
Source record: 1698
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Mark@kb9rqz.com wrote in news:fpt8e2pat54sbvle5jp3bnbkpk599voa3p@4ax.com:

> On 17 Aug 2006 05:45:09 -0700, "Not Cocksucker Lloyd"
> <not_time_turd_lloyd@yahoo.com> wrote:
>
>>
> cease and desist your harrassment
> http://kb9rqz.blogspot.com/
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

293. Re: Cease desist and grow up - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-17 22:32:30 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <286Fg.5136$Sn3.3589@newsread3.news.pas.earthlink.net>
Source record: 1699
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"Not Cocksucker Lloyd" <not_time_turd_lloyd@yahoo.com> wrote in
news:1155818709.467035.142500@h48g2000cwc.googlegroups.com:

>
> Mark@kb9rqz.com wrote:
>> On 16 Aug 2006 12:31:58 -0700, peewee_lloyd_davies@yahoo.com wrote:
>>
>> >
>> >an old fraud wrote:
>> >> Not Cocksucker Lloyd wrote:
>> >> > an_old_friendless cocksucker wrote:
>> >> > > cease
>> >> >
>> >> > Cease breathing
>> >> eom
>> >
>> >"eom?" BWHAHAHAHAHAHAHAHAHAHA!
>> End Of Message
>
> BWHAHAHAHAHA You only backpedal again.
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

294. Re: cease and desist yor harrassment - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 00:32:54 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <170820061832546340%erfc@netcabal.com>
Source record: 1500
Cross-posted to: alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy

Slow Code <my.mail@no.spam> wrote:

>"Text Medium No. 5" <mhm29x21@meow.flonk> wrote in
>news:pan.2006.08.17.21.19.02.560831
>@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.reall
>y.leola:
>
>> Hail Eris! On Thu, 17 Aug 2006 20:07:58 +0000, Bookman jabbered inanely:
>>
>>> On 17 Aug 2006 07:11:24 -0700, "an old freind" <kb9rqz-ars@hotmail.com>
>>> wrote:
>>>
>>>>Text Medium No. 5 wrote:
>>>>
>>>>cease and desist your harrassment
>>>
>>> What harassment?
>>>
>>> ESL!
>>
>> Mr. Mark Morgan is severely confused as to what constitutes
>> "harassment". Either that, or else he's complaining about us(tinu)
>> bugging Tholenator.
>>
>
>
>Mark, Just ignore them.
>
>They only tease you because of the stupid things you say when you
>follow up. Just ignore them and they'll give up.
>
>Stop giving them reasons to tease you. It only makes you look
>more stupid.
>
>Take a break from the radio groups for a while, Maybe work on your
>moon bounce some more.
>
>SC

How many more times will you be posting the same screed?

--
COOSN-266-06-39716

Official Associate AFA-B Vote Rustler
Official Overseer of Kooks and Saucerheads in alt.astronomy
Official "Usenet psychopath and born-again LLPOF minion",
as designated by Brad Guth

"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"
-- Dr. David Tholen

295. Re: The Tholen classification

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 00:52:32 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <170820061852327059%erfc@netcabal.com>
Source record: 1501
Cross-posted to: alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy,alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space

Text Medium No. 5 <mhm29x21@meow.flonk> wrote:

>Hail Eris! On Wed, 16 Aug 2006 20:57:15 -0600, Art Deco jabbered inanely:
>> TransWench wrote:
>>>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>>Herself suddenly made me reply to Art Deco:
>>>> Classic "oar pin" Tholenator(tm) <"tholen@antispam.ham"> tholed:
>>>>
>>>>>> As with OS/2; it is an example of faltering support by the
>>>>>> manufacturer and vendor of the product.
>>>>>
>>>>>On what basis do you make that claim, Loonie?
>>>
>>>Is there anyone who _can't_ WHOMP you, Tholok00k? Loonie's "claim" is
>>>valid, OS/2's support from both M$ and IBM is faltering, and cooa is
>>>under the dominion of Teh Empire of MEOW.
>>
>> Another fact glaring him in the face that he will deny and dismiss with
>> "classic erroneous ...".
>
>Without actually making any sort of logical justification for his
>objection, too, I'd wager.

As Tholen pronounceth, so T3H TRVTH is. Q.E.D.
>
>>>> embowel 0.462806447
>>>
>>>dispersion 0.009162171119676271
>>
>> desolation 0.390269598
>
>avocation 0.9999999872143876

claiming 0.885768485

--
COOSN-266-06-39716
Official Associate AFA-B Vote Rustler
Official Overseer of Kooks and Saucerheads in alt.astronomy
Official "Usenet psychopath and born-again LLPOF minion",
as designated by Brad Guth

"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"

-- Dr. David Tholen

296. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 01:02:28 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <170820061902282807%erfc@netcabal.com>
Source record: 1502
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.music.michael-jackson,comp.os.os2.advocacy

Slow Code <my.mail@no.spam> wrote:

>FreeSpeechStore <freespeechstore@meow.fuckhead> wrote in
>news:pan.2006.08.17.06.50.51.193526@snarky.trolling.and.mocking.scoville:
>
>> On Wed, 16 Aug 2006 15:29:00 -0700, an old freind wrote:
>>> Text Medium No. 5 wrote:
>>>> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
>>>> jabbered inanely:
>>>
>>>> > YOU,otoh, have gone out of your way to post gay filth here. I have
>>>> > copies of YOUR posts to prove it. YOU are not welcome here you filty
>>>> > sodomite!
>>>> >
>>>> > aren't you in violation of the states sodomy laws??
>>>>
>>>> Keep it up. I see many k00k awards in your future, you busted urinal.
>>>
>>> and in his past he is Roger Wisemen sometimes called Woger
>>
>> Figures that a hypocrite like him is the one complaining about "filth".
>> BTW, put an empty line between your words and the one to whom you're
>> responding. Makes you easier to read. Oh, and that's "Wiseman", and a
>> more inappropriate surname could not be imagined...
>>
>
>Mark, Just ignore them.
>
>They only tease you because of the stupid things you say when you
>follow up. Just ignore them and they'll give up.
>
>Stop giving them reasons to tease you. It only makes you look
>more stupid.
>
>Take a break from the radio groups for a while, Maybe work on your
>moon bounce some more.
>
>SC

Clueless spammer.

--
COOSN-266-06-39716
Official Associate AFA-B Vote Rustler
Official Overseer of Kooks and Saucerheads in alt.astronomy
Official "Usenet psychopath and born-again LLPOF minion",
as designated by Brad Guth

"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"
-- Dr. David Tholen

297. Re: well Mr Slow code has decicded to highlight the problems of the NG

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 10:10:02 UTC
From: TransWench <popesnarky@meow.org>
Message-ID: <pan.2006.08.18.10.09.58.69729@meower.flonker.kookologist.sf-fan.callahanian>
Source record: 1503
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

I was busily flonking away in %g, when The Goddess Eris Herself suddenly
made me reply to Mr. Hammington:
> an old friend wrote:
>> donttrythisathome wrote:
>> > "an old freind" wrote...
>> > > by truly spamming the ng which of course various parties will insist
>> > > it perfectly ok further highlighting the true motives of the Wismen
>> > > and Robeson
>> >
>> > I think both of them should hop up on each other's shoulders and tell
>> > the other "I love you".
>>
>> for the own sake perhaps but mental help or take out from dr k would be
>> a better for the rest of us
>
> STFU Marqueer.................
> lunch is served,now go feast of the shit bag.

Man, if Cletis Perkins hadn't already beaten you to the punch, I think
I'd be nominating all the rec.radio.* 'phobes for a Busted Urinal at
once...As it is, the sheer "fucking fuck-ness" of his posts will win him
that "coveted" trophy, but you guys are a shoo-in for next month,
especially with Wiseman among you. I mean, Mark's merely boring, hence
the Golden Killfile nom, but you lot just plain stink up the joint. You
deserve proper recognition, you do.

--
____
Hail Eris! All hail Discordia!! Kallisti!!! mhm 29x21
Pope Snarky Goodfella of the undulating cable, JM,
CK, POEE, KOTHASK, GGGHD, HCNB, IAC, MWFA
Email popesnarky *at* gmail.com
I want a boyfriend who is sensitive and caring,
but they already have boyfriends.

298. Retard Marky spams some more

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 12:50:22 UTC
From: peewee_lloyd_davies@yahoo.com
Message-ID: <1155905422.359878.320760@m73g2000cwd.googlegroups.com>
Source record: 1504
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

MarkMoron@kb9rqz.com wrote:
>ce

Make any illegal EME contacts with bootleggers, Markie?

299. Re: Retard Marky spams some more

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 13:50:13 UTC
From: Mark@kb9rqz.com
Message-ID: <4vgbe2dfv69e6frv93c2h198gkkupc9fs3@4ax.com>
Source record: 1505
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

On 18 Aug 2006 05:50:22 -0700, peewee_lloyd_davies@yahoo.com wrote:

>MarkMoron@kb9rqz.com wrote:
>>ce
>
>Make any illegal EME contacts with bootleggers, Markie?
no eme contact s ilegal
cease desists and grow up
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

300. Re: Retard Marky spams some more - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 23:32:00 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <Q5sFg.5596$Sn3.4807@newsread3.news.pas.earthlink.net>
Source record: 1506
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

Mark@kb9rqz.com wrote in news:4vgbe2dfv69e6frv93c2h198gkkupc9fs3@4ax.com:

> On 18 Aug 2006 05:50:22 -0700, peewee_lloyd_davies@yahoo.com wrote:
>
>>MarkMoron@kb9rqz.com wrote:
>>>ce
>>
>>Make any illegal EME contacts with bootleggers, Markie?
> no eme contact s ilegal
> cease desists and grow up
> http://kb9rqz.blogspot.com/
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

301. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-18 23:32:17 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <56sFg.5597$Sn3.3312@newsread3.news.pas.earthlink.net>
Source record: 1507
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

TransWench <popesnarky@meow.org> wrote in
news:pan.2006.08.18.10.09.58.69729@meower.flonker.kookologist.sf-fan.callahanian:

> I was busily flonking away in %g, when The Goddess Eris Herself suddenly
> made me reply to Mr. Hammington:
>> an old friend wrote:
>>> donttrythisathome wrote:
>>> > "an old freind" wrote...
>>> > > by truly spamming the ng which of course various parties will
>>> > > insist it perfectly ok further highlighting the true motives of
>>> > > the Wismen and Robeson
>>> >
>>> > I think both of them should hop up on each other's shoulders and
>>> > tell the other "I love you".
>>>
>>> for the own sake perhaps but mental help or take out from dr k would
>>> be a better for the rest of us
>>
>> STFU Marqueer.....
>> lunch is served,now go feast of the shit bag.
>
> Man, if Cletis Perkins hadn't already beaten you to the punch, I think
> I'd be nominating all the rec.radio.* 'phobes for a Busted Urinal at
> once...As it is, the sheer "fucking fuck-ness" of his posts will win him
> that "coveted" trophy, but you guys are a shoo-in for next month,
> especially with Wiseman among you. I mean, Mark's merely boring, hence
> the Golden Killfile nom, but you lot just plain stink up the joint. You
> deserve proper recognition, you do.
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

302. Re: The Tholen classification

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 00:13:57 UTC
From: Lola Stonewall Riot <popesnarky@meowmeowmeow.org>
Message-ID:
<pan.2006.08.19.00.13.56.2542@meow.disorg.flonk.discord.kookology.alexa.cameron.the.k00k.georgewbush.the.bobo>
Source record: 1508
Cross-posted to: alt.alien.vampire.flonk.flonk.flonk,alt.astronomy,comp.os.os2.advocacy,alt.fan.art-bell,alt.usenet.kooks,rec.radio.cb,rec.radio.amateur.policy,rec.radio.amateur.space,rec.music.classical.recordings

Hail Eris! On Thu, 17 Aug 2006 18:52:32 -0600, Art Deco wrote:
> Text Medium No. 5 wrote:
>>Hail Eris! On Wed, 16 Aug 2006 20:57:15 -0600, Art Deco jabbered inanely:
>>> TransWench wrote:
>>>>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>>>Herself suddenly made me reply to Art Deco:
>>>>> Classic "oar pin" Tholenator(tm) <"tholen@antispam.ham"> tholed:
>>>>>
>>>>>> As with OS/2; it is an example of faltering support by the
>>>>>> manufacturer and vendor of the product.
>>>>>>
>>>>>On what basis do you make that claim, Loonie?
>>>>
>>>>Is there anyone who _can't_ WHOMP you, Tholok00k? Loonie's "claim" is
>>>>valid, OS/2's support from both M$ and IBM is faltering, and cooa is
>>>>under the dominion of Teh Empire of MEOW.
>>>
>>> Another fact glaring him in the face that he will deny and dismiss with
>>> "classic erroneous ...".
>>
>>Without actually making any sort of logical justification for his
>>objection, too, I'd wager.
>
> As Tholen pronounceth, so T3H TRVTH is. Q.E.D.

You know, I've noticed that.

>>>>> embowel 0.462806447
>>>>
>>>>dispersion 0.009162171119676271
>>>
>>> desolation 0.390269598
>>
>>avocation 0.9999999872143876
>
> claiming 0.885768485

erroneous 0.5358568978036803

--

_____
All Hail Discordia! Flonk Leader #2 & #11 1/9; mhm 29 x 21
The Discordian People's Most Powerful and Revered Being (without

portfolio)
Economic Left/Right: -7.63
Social Libertarian/Authoritarian: -7.38
Real email should go to gmail.com, otherwise the same as above.

Quotable quotes:
"Three OS's from corporate-kings in their towers of glass,
Seven from valley-lords where orchards used to grow,
Nine from dotcoms doomed to die,
One from the Dark Lord Gates on his dark throne
In the Land of Redmond where the Shadows lie.
One OS to rule them all, One OS to find them,
One OS to bring them all and in the darkness bind them,
In the Land of Redmond where the Shadows lie."'

"Covert ace nudists in the Vatican!"

"Real men eat me."

"Any priest or shaman must be presumed guilty until proved innocent." --
Lazarus Long

"Laws count, the US Constitution count more, and we need to have judges
on the bench who are going to Carry Out those laws, not Make Law or
Interpret Law." -- John "Easily" Shocked contradicts his own words on
the overriding importance of society's reluctance to accept
homosexuality, in Message-ID: <brIDe.67062$Qo.12613@fed1read01>

"Heterosexuality is not *normal*, it's just more /common/."

"For the most part, morality is universal." -- John "Easily" Shocked

"Gay, straight, they all want blow jobs."

"Bad stories are bad stories. We just call them as they are." -- DBurns
demonstrates his sheer cluelessness on Mar 9, 2002, at 6:25 pm, in
rec.arts.drwho

"Oh, and Snarky, if you're listening: Fuck you, Asshole! Enjoy the
few remaining days of your internet access." Kooky troll John Long
gets delusional, in Message-ID: <3C36AA50.31DD0...@epix.net>

A sad little top-poster with the nym of "Choirboy" once lamed:

> Well, gee, coming from an asshole like *you* ...
> ESAD, ya 'ho bitch.

Please to be posting proof, you facile fridgemagnet.
-- replied the Aussie rapier, aka fnord/Affinity, in a now-lost message

"I have a dream...that one day the whole world will know the joy of
my nipples!" -- Stimpy

"The meek shall inherit the earth -- 2' x ~6' x 6' of it."

"If English was good enough for Jesus Christ, it's good enough for these U-nited States!" -- an unknown politician, in a senate floor debate over bilingual education.)

"The policeman isn't there to create disorder, the policeman is there to preserve disorder" -- Mayor Richard Daley of Czechago, September 23, 1968

"Moral: it's not a plot hole if two eyes and two brain cells can solve it." -- Keith Goodnight, in atbvs, on NNTP-Posting-Date: Mon, 03 Jun 2002 16:46:02 EDT

"Kung fu's useful!"

"Bernadette, you ignorant oaf.
Bernadette, you brainless dullard.
Bernadette, you feeble-minded wag.
Bernadette, you blathering baboon.
Bernadette, you babbling boor.
Bernadette, you depraved dolt.
Bernadette, you stinking slimeball.
Bernadette, you yammering yak.
Bernadette, you lily-livered lush.
Bernadette, you hard-hearted hulk."
-- Mother Be Strange gets very hard on herself, in
MID: <94b6d5f1.0203221829.3587ccd3@posting.google.com>

"[Lurlean] would never dream of sleeping with a dog. The Bible's against it. You don't seem to care what the Bible says, so she thought maybe you gave that a try too -- in addition to sucking on Steve, letting him play with your butt, and having seven different lesbian lovers in our bed." -- Sistah Moonshine shocks a.p.h. with the revelation that she got it off with "Romaine Brooks", in a now-vanished message

"I should have known my boss was evil when he called my jumping onto my chair to praise the Lord out loud 'inappropriate behavior.'" -- Sistah Moonshine: Oppressed Christian, in another vanished message

"I made a pact with the devil." -- Sistah Moonshine, from her dream diary

"'drink that hooch,' they would say, 'and then smoke that joint. Bury your head in that strange woman's crotch and bring her to a thunderous climax with your tongue, then tell her no man could ever give her that much pleasure in a thousand years. Tell her to leave her husband and become a lesbian. Drip hot wax on that pervert's nutty buddies and then charge him extra for the privilege.'" -- Sistah Moonshine is now working on an erotic epic to outmatch Anne Rice.

"Roe V Wade has zero bearing on my existence other than it affects it adversely."
-- Johnny Wentzky never had much truck with "logic".

"You are the GOD-DAMNED, IGNORANT LIAR here.
Now, that is not me taking the Lord's name in vain."
-- John Wentzky: Living proof of the Death of Irony, in Message-ID:
<jljOe.5348$ZD4.3...@bignews3.bellsouth.net>

"Stupidity excuses nothing. It's only a reason...." -- Phxbrd

"The whining has just begun." -- John Wentzky

"It's not nice to misrepresent Mother Nature."

"Gay men deserve to die." -- John Wentzky

Joseph Bartlo wrote:
> A big mean meanie and heavyweight kookologist responding to my text
> and making me look like a colossal idiot. No more whinges to this mean
> person who keeps pounding my ass into the ground - you go on the lits
> of people who have trounced me. The state I left that group was
> embarassing to me. There were too many posts to follow them all, and I
> know a lot of people were saying mean things about me - but a few
> sucked up. So it was best at that point rather than to browse all the
> crap to simply make a standard post telling people a lot of bullshit
> I'd just made up. I did that on many other groups, but the war is only
> fought here. If anyone thinks I am the least bit kidding, consider how
> long this has been going, how little I have accomplished (i.e., how
> much the mean, mean kookologists have changed everything), and that I
> have a lot of goats to blow.
-- in MID: <43745576.1E07F998@verizon.net>

"America is supposed to be the world's melting pot,
so melt!!" -- from some BBS

"There are no governors anywhere."

"The personal _is_ political."

"If humans decline to exercise faith, then an
omnipotent God is impotent." -- Teresita, x-posted to APH

"Gabrielle?! Monkey-man, you bring her back! You know, you two are
beginning to irritate me with these obsessions of yours!
Fish don't just catch themselves!" -- Xena, "Fins, Femmes, &
Gems" (64/318)

"I don't think so because, I'm a whole lot smarter and far less bigoted
than the average Jew, although smart Jews as having collaborated with
your Skull and Bones Third Reich certainly have more of those
in-your-face balls than I'd ever have to work with." -- Guthball drools
all over my irony meter, in MID:
<fea985f50107c84f4d1d4894114d1989.49644@mygate.mailgate.org>

"You never asked someone who goes into areas of the internet that are
only for adults who has an underage id somehow or another if they are a
cop posing as an underage person online?
I guess lots of people just don't watch dateline or read stories much.

Why don;t you go to pervertedjustice,com and see what they do. They are awash in their self-proclaimed glory after they lied to membners of the public.
They are awash in their self-proclaimed glory after they posed as an underage person and agreed to do all sorts of sex acts wioth adult males, and they are adults posing as teenager themselves. They make themsleves into liars by falsely impersonating underage persons and by not fuilfilling the words they tell the victims online in their chats. Why don't you read it where they tell these victims of their deceit about how they have been with grown men and such? Why don't you read it where they say, "That would be cool." after someone makes an advance towards an adult who is posing as a teenager? And, where they agree to meet the person, etc.
Lost control, didn't you?
Is that why you feel as if you need to lie so much now? I see where lots of these false impersonation games are not sticking. They feel as if they can lie and then order the victims to get counseling in the gayblade, governmental, pro-choice tax leech counseling centers. They are doing nothing more than usury and fraud in many cases." -- Wentzky almost comes out of the closet as a pedo/ephebophile in MID: <H%%Eg.28916$Uq1.22411@bignews6.bellsouth.net>

"This bandwidth has been rescued from AOL." -- mimus

No-one expects the Fannish Inquisition!

303. ANS-225 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 01:47:41 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <15uFg.9533$xp2.9346@newsread1.news.pas.earthlink.net>
Source record: 1509

AMSAT NEWS SERVICE
ANS-225

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Van Allen, an original space explorer.
* CDROM for NA1ISS
* AO-51 Schedule Update
* ISS SSTV
* ARISS Status

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

****

SB SAT @ AMSAT $ANS-225.01
Van Allen, an original space explorer.

AMSAT News Service Bulletin 225.01
From AMSAT HQ SILVER SPRING, MD.
August 13, 2006
To All RADIO AMATEURS
BID: $ANS-225.01

IOWA CITY, Iowa - Physicist James A. Van Allen, a leader in space exploration who discovered the radiation belts surrounding the Earth that now bear his name, died Wednesday. In a career that stretched over more than a half-century, Van Allen designed scientific instruments for dozens of research flights, first with small rockets and balloons, and eventually with space probes that

traveled to distant planets and beyond. Van Allen gained global
attention in the late 1950s when instruments he designed and placed
aboard the first U.S. satellite, Explorer I, discovered the bands
of intense radiation that surround the earth, now known as the
Van Allen Belts.

http://itsnt166.iowa.uiowa.edu/uns-archives/2006/august/080906van-allen-deat
h.html
http://www.time.com/time/covers/0,16641,19590504,00.html

Dan Schultz N8FGV

[ANS thanks Dan Schultz, N8FGV, for the above information]

/EX

SB SAT @ AMSAT $ANS-225.02
CDROM for NA1ISS

AMSAT News Service Bulletin 225.02
From AMSAT HQ SILVER SPRING, MD.
August 13, 2006
To All RADIO AMATEURS
BID: $ANS-225.02

Hello All,

In an earlier posting I had anounced to make a CDROM for Bill McArthur
(NA1SS). Astronaut Bill McArthur was much active on hamradio during his
6 months - mission aboard the ISS Space Station (he is already back on
earth). Many people have sended audio files (some with pics of the
operator THANKS!!!).
There are already 121 messages in the McArthur guestbook, these message
will be shown on the CDROM!!! In case you did not signed the McArthur
guestbook yet, you can do it now on this direct McArthur guestbook link:
http://www.webguestbook.com/cgi-bin/guestbook/viewguestbook.pl?user=corholla
nd2 Or go to: http://www.pd0rkc.com (look on the main page!).

In case you have your QSO (with McArthur NA1SS) recorded please send it
to: wegaman@gmail.com An picture of the operator would be nice so Bill
McArthur can see the operator which
he spoke in the past!!! Also I like to have more ISS school contact
audio files!!!

31 august is the last day that you can send your files (and sign
McArthur guestbook). If you want cooporate, please do it right now
otherwise you might forget!!!

The CDROM will be delivered to McArthur (via N5VHO Kenneth Ransom JSC NASA).

Please spread this message arround on internet (on forums or websites!).

Thanks!!!

73's Cor PD0RKC
http://www.pd0rkc.com

[ANS thanks Cor, PD0RKC for the above information]

/EX

SB SAT @ AMSAT $ANS-225.03
AO-51 Schedule Update

AMSAT News Service Bulletin 225.03
From AMSAT HQ SILVER SPRING, MD.
August 13, 2006
To All RADIO AMATEURS
BID: $ANS-225.03

AO-51 Schedule Updated

Drew, KO4MA posted AO-51 schedule updates on behalf of the AO-51 Operations Group. The full schedule can be seen on-line at: http://www.amsat.org/amsat-new/echo/ControlTeam.php.

Please note that the graphic schedule at the top of the page is not the complete story, and users should always consult the text portion in addition for any items that cannot be displayed in the graphic schedule.

For the next several weeks there will be a period of testing by AO-51's command stations, cycling through many of the listed modes. Whole Orbit Data is also planned to be collected during this period. This period is indicated as all off in the graphic schedule. This is a periodic checkup as well as a further investigation into some ongoing operational issues.

Drew wrote, "I intend to report on the results of the command station's investigation, as well as explain some of the power and PL issues brought up last week on the -bb as soon as the information is collected and analyzed."

Users are welcome to operate whatever mode is active during these tests, but expect frequent mode changes. The V/U repeater on 435.300 should be available for hamfest demos on Saturday the 12th and the ever popular mode V/S returns at the end of the month.

[ANS thanks the AO-51 Operations Group for the above information]

/EX

SB SAT @ AMSAT $ANS-225.04
ISS SSTV

AMSAT News Service Bulletin 225.04
From AMSAT HQ SILVER SPRING, MD.
August 13, 2006
To All RADIO AMATEURS
BID: $ANS-225.04

Slow Scan TV on ISS Update

NOTE: We all await SSTV to become a regular part of Ham Radio on the ISS.

As reported recently, ISS Expedition 13 Commander Pavel Vinogradov activated the SSTV project for few orbits from the International Space Station. Pavel sent several manual test images from ISS to Earth to prove that the basic SSTV configuration has been set up correctly. The SSTV system was then shut down until the crew can spend more time to finalize the cable connections and configure the system for Slide Show mode.

The slide show mode will allow the crew to preload a directory full of images that will be automatically transmitted to Earth. The crew will not need to keep pushing a button to send images. In theory the system can run for weeks at a time without crew involvement.

The SSTV configuration parameters are now ready to be uploaded to the ISS. The next phase of testing may use the frequency 145.800 MHz FM for the SSTV down link. Radio Amateurs should also check the testing frequency of 144.490 in case it remains active. The Slide Show mode will only be testing these downlink frequencies. The uplink frequency will not be published.

[ANS thanks Miles, WF1F for the above information]

/EX

SB SAT @ AMSAT $ANS-225.05
ISS STATUS

AMSAT News Service Bulletin 225.05
From AMSAT HQ SILVER SPRING, MD.
August 13, 2006
To All RADIO AMATEURS
BID: $ANS-225.05

International Space Station Status Report #06-37
3:30 p.m. CDT, Friday, Aug. 11, 2006
Expedition 13 Crew

This week on the International Space Station crew members refurbished their exercise treadmill, prepared areas inside and out for an imminent expansion of their home and took a couple of special calls to discuss soccer and food in space.

Commander Pavel Vinogradov, Flight Engineer Jeff Williams and European Space Agency Astronaut Thomas Reiter are gearing up for the second space shuttle visit to the station during Expedition 13. The shuttle Atlantis, targeted to launch in a window that opens Aug. 27, will resume major orbital construction of the complex. During its mission, designated STS-115, Atlantis will deliver and install a 17.5-ton, bus-sized segment of the station's girder-like truss that includes another set of solar arrays, batteries and associated electronics.

The station crew started out the week with two days of standard maintenance work on the treadmill vibration isolation system, a special exercise treadmill located on the floor of the Zvezda living quarters module. Crews perform the maintenance task every six months to inspect the treadmill's components, replace worn items and install new bearings. The treadmill is a complex system that uses gyroscopes to stabilize itself and isolates the vibrations created by exercise from being transmitted to the station's structure, where they could disturb sensitive experiments. Extensive exercise is a daily regimen for all station crew members as one method of counteracting the effects of long exposure to weightlessness.

The crew had time set aside each day this week to pack up and prepare items that will be moved from the station to the shuttle during Atlantis' flight. In addition, ground controllers worked with the station's Canadarm2 robotic arm to prepare for the upcoming shuttle flight. On Thursday, they moved the arm to position cameras to view markings on the station used for a graphical computer alignment aid when new components are attached. That aid, called the space vision system, will be used during Atlantis' flight to help with the attachment of the new truss section.

On Friday, controllers moved the arm to perform an early checkout of its systems, ensuring it is ready for the shuttle mission.

The station crew greeted special guest calls this week. On Tuesday, the coach and players from the FC Barcelona soccer team talked with the crew as they visited NASA's Johnson Space Center prior to an exhibition game in Houston. Reiter, a soccer fan, showed the team a space soccer move during the call. On Thursday, the crew members spoke with Chef Emeril Lagasse about space food and their mission. Lagasse sent NASA several recipes that were prepared and delivered to the station aboard the last shuttle flight. The Expedition 13 crew tried the dishes this week.

The next station status report will be issued on Friday, Aug. 18, or earlier if events warrant. For more about the crew's activities and station sighting opportunities, visit:

http://www.nasa.gov/station

[ANS thanks Arthur, N1ORC for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

304. WSR-226 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 01:47:43 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <35uFg.9534$xp2.8170@newsread1.news.pas.earthlink.net>
Source record: 1510

This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-226.S1
WSR 226 Part 1 08/14/2006

AMSAT NEWS SERVICE BULLETIN 226.S1 FROM AMSAT HQ
SILVER SPRING, MD, August 14, 2006
TO ALL RADIO AMATEURS
BID: $ANS-226.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:

Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - ON
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08142006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS

Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-226.S2
WSR 226 Part 2 08/14/2006

AMSAT NEWS SERVICE BULLETIN 226.S2 FROM AMSAT HQ
SILVER SPRING, MD, August 14, 2006
TO ALL RADIO AMATEURS
BID: $ANS-226.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: ISS Packet =>VOICE Contacts

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

PCSAT2 SPECIAL EVENT AND OPERATIONS

Subj: ISS Packet =>VOICE Contacts:

Starting on 4 August, and for the 26 days remaining of
PCSAT2's operation on ISS, PCSAT2 will be configured for
VOICE response to normal packets transmitted via the normal

ISS digipeater 145.99 uplink (or PCSAT2's uplink on 145.825
if the ARISS packet system is not operational). The command
station's voice downlink will be on 437.975 +/- Doppler and
he/she willl attempt to acknowledge by voice all packets seen
on the packet uplink.

The UHF downlink will be weak (only 1 Watt) and being
UHF (9dB worse than 2m), will need at least a small
beam to hear it.

Users who want to participate, simply send your packets
as normal VIA ARISS on 145.99 uplink (if available or via
145.825 if not) but listen on the 437.925 downlink for the
combined voice and packets. This will only work when
PCSAT2 is in range of a participating command station and
there is no guarantee that all command stations will be available
on any given pass. In otherwords, this may be rare, but fun.

Right now, passes in the Northern Hemisphere are occuring
before sunrise, so only the last two morning passes may be
so manned for voice. Passes in the Southern Hemisphere
right now are from midday into evening.

Best thing to do is simply monitor 437.975 during ISS passes
and if you hear a command station, then send us a 'hello'
packet via the ISS digipeater.

We need a volunteer command station in South America,
South Africa and some other footprints too if activity is
desired in those areas.

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[08072006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - ON
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08142006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7

Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)

Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-226.S3
WSR 226 Part 3 08/14/2006

AMSAT NEWS SERVICE BULLETIN 226.S3 FROM AMSAT HQ
SILVER SPRING, MD, August 14, 2006

TO ALL RADIO AMATEURS
BID: $ANS-226.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]

=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828

Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12

Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz

Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-226.S4
WSR 226 Part 4 08/14/2006

AMSAT NEWS SERVICE BULLETIN 226.S4 FROM AMSAT HQ
SILVER SPRING, MD, August 14, 2006
TO ALL RADIO AMATEURS
BID: $ANS-226.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

305. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 01:51:40 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <180820061951404160%erfc@netcabal.com>
Source record: 1511
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

Slow Code <my.mail@no.spam> wrote:

>TransWench <popesnarky@meow.org> wrote in
>news:pan.2006.08.18.10.09.58.69729@meower.flonker.kookologist.sf-fan.callah
>anian:
>
>> I was busily flonking away in %g, when The Goddess Eris Herself suddenly
>> made me reply to Mr. Hammington:
>>> an old friend wrote:
>>>> donttrythisathome wrote:
>>>> > "an old freind" wrote...
>>>> > > by truly spamming the ng which of course various parties will
>>>> > > insist it perfectly ok further highlighting the true motives of
>>>> > > the Wismen and Robeson
>>>> >
>>>> > I think both of them should hop up on each other's shoulders and
>>>> > tell the other "I love you".
>>>>
>>>> for the own sake perhaps but mental help or take out from dr k would
>>>> be a better for the rest of us
>>>
>>> STFU Marqueer.............
>>> lunch is served,now go feast of the shit bag.
>>
>> Man, if Cletis Perkins hadn't already beaten you to the punch, I think
>> I'd be nominating all the rec.radio.* 'phobes for a Busted Urinal at
>> once...As it is, the sheer "fucking fuck-ness" of his posts will win him
>> that "coveted" trophy, but you guys are a shoo-in for next month,
>> especially with Wiseman among you. I mean, Mark's merely boring, hence
>> the Golden Killfile nom, but you lot just plain stink up the joint. You
>> deserve proper recognition, you do.
>>
>
>
>Mark, Just ignore them.
>
>They only tease you because of the stupid things you say when you
>follow up. Just ignore them and they'll give up.
>
>Stop giving them reasons to tease you. It only makes you look
>more stupid.

>
>Take a break from the radio groups for a while, Maybe work on your
>moon bounce some more.
>
>SC

Shuttup, spammer.

--
COOSN-266-06-39716
Official Associate AFA-B Vote Rustler
Official Overseer of Kooks and Saucerheads in alt.astronomy
Official "Usenet psychopath and born-again LLPOF minion",
as designated by Brad Guth

"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"
-- Dr. David Tholen

306. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 07:52:29 UTC
From: TransWench <popesnarky@meow.org>
Message-ID: <pan.2006.08.19.07.52.27.951311@meower.flonker.kookologist.sf-fan.callahanian>
Source record: 1512
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

```
I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
Herself suddenly made me reply to Art Deco:
> Slow Code wrote:
>>TransWench wrote:
>>> I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>> Herself suddenly made me reply to Mr. Hammington:
>>>> an old friend wrote:
>>>>> donttrythisathome wrote:
>>>>> > "an old freind" wrote...
>>>>> > > by truly spamming the ng which of course various parties will
>>>>> > > insist it perfectly ok further highlighting the true motives of
>>>>> > > the Wismen and Robeson
>>>>> >
>>>>> > I think both of them should hop up on each other's shoulders and
>>>>> > tell the other "I love you".
>>>>>
>>>>> for the own sake perhaps but mental help or take out from dr k would
>>>>> be a better for the rest of us
>>>>
>>>> STFU Marqueer.................
>>>> lunch is served,now go feast of the shit bag.
>>>
>>> Man, if Cletis Perkins hadn't already beaten you to the punch, I think
>>> I'd be nominating all the rec.radio.* 'phobes for a Busted Urinal at
>>> once...As it is, the sheer "fucking fuck-ness" of his posts will win
>>> him that "coveted" trophy, but you guys are a shoo-in for next month,
>>> especially with Wiseman among you. I mean, Mark's merely boring, hence
>>> the Golden Killfile nom, but you lot just plain stink up the joint.
>>> You deserve proper recognition, you do.
>>
>>Mark, Just ignore them.
>>
>>They only tease you because of the stupid things you say when you follow
>>up. Just ignore them and they'll give up.
>>
>>Stop giving them reasons to tease you. It only makes you look more
>>stupid.
>>
>>Take a break from the radio groups for a while, Maybe work on your moon
>>bounce some more.
>>
```

>>SC
>
> Shuttup, spammer.

Shuttup, spammer.

--

____
Hail Eris! All hail Discordia!! Kallisti!!! mhm 29x21
Pope Snarky Goodfella of the undulating cable, JM,
CK, POEE, KOTHASK, GGGHD, HCNB, IAC, MWFA
Email popesnarky *at* gmail.com
I want a boyfriend who is sensitive and caring,
but they already have boyfriends.

307. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 13:00:03 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <190820060700030394%erfc@netcabal.com>
Source record: 1513
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

TransWench <popesnarky@meow.org> wrote:

>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>Herself suddenly made me reply to Art Deco:
>> Slow Code wrote:
>>>TransWench wrote:
>>>> I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>>> Herself suddenly made me reply to Mr. Hammington:
>>>>> an old friend wrote:
>>>>>> donttrythisathome wrote:
>>>>>> > "an old freind" wrote...
>>>>>> > > by truly spamming the ng which of course various parties will
>>>>>> > > insist it perfectly ok further highlighting the true motives of
>>>>>> > > the Wismen and Robeson
>>>>>> >
>>>>>> > I think both of them should hop up on each other's shoulders and
>>>>>> > tell the other "I love you".
>>>>>>
>>>>>> for the own sake perhaps but mental help or take out from dr k would
>>>>>> be a better for the rest of us
>>>>>
>>>>> STFU Marqueer.............
>>>>> lunch is served,now go feast of the shit bag.
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>>>> Man, if Cletis Perkins hadn't already beaten you to the punch, I think
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>>>> You deserve proper recognition, you do.
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>>>They only tease you because of the stupid things you say when you follow
>>>up. Just ignore them and they'll give up.
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>>>Stop giving them reasons to tease you. It only makes you look more
>>>stupid.
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>>>Take a break from the radio groups for a while, Maybe work on your moon

>>>bounce some more.
>>>
>>>SC
>>
>> Shuttup, spammer.
>
>Shuttup, spammer.

Shuttup, spammer.

--
COOSN-266-06-39716
Official Associate AFA-B Vote Rustler
Official Overseer of Kooks and Saucerheads in alt.astronomy
Official "Usenet psychopath and born-again LLPOF minion",
as designated by Brad Guth

"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"
-- Dr. David Tholen

308. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 13:18:52 UTC
From: Lola Stonewall Riot <popesnarky@meowmeowmeow.org>
Message-ID:
<pan.2006.08.19.13.18.51.430886@meow.disorg.flonk.discord.kookology.alexa.cameron.the.k00k.georgewbush.the.bobo>
Source record: 1514
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

```
Hail Eris! On Sat, 19 Aug 2006 07:00:03 -0600, Art Deco wrote:
> TransWench wrote:
>>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>Herself suddenly made me reply to Art Deco:
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>>>>>>> would be a better for the rest of us
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>>>>>> STFU Marqueer.............
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Shuttup, spammer.

--

All Hail Discordia! Flonk Leader #2 & #11 1/9; mhm 29 x 21
The Discordian People's Most Powerful and Revered Being (without
portfolio)
Economic Left/Right: -7.63
Social Libertarian/Authoritarian: -7.38
Real email should go to gmail.com, otherwise the same as above.

Quotable quotes:
"Three OS's from corporate-kings in their towers of glass,
Seven from valley-lords where orchards used to grow,
Nine from dotcoms doomed to die,
One from the Dark Lord Gates on his dark throne
In the Land of Redmond where the Shadows lie.
One OS to rule them all, One OS to find them,
One OS to bring them all and in the darkness bind them,
In the Land of Redmond where the Shadows lie."'

"Covert ace nudists in the Vatican!"

"Real men eat me."

"Any priest or shaman must be presumed guilty until proved innocent." --
Lazarus Long

"Laws count, the US Constitution count more, and we need to have judges
on the bench who are going to Carry Out those laws, not Make Law or
Interpret Law." -- John "Easily" Shocked contradicts his own words on
the overriding importance of society's reluctance to accept
homosexuality, in Message-ID: <brIDe.67062$Qo.12613@fed1read01>

"Heterosexuality is not *normal*, it's just more /common/."

"For the most part, morality is universal." -- John "Easily" Shocked

"Gay, straight, they all want blow jobs."

"Bad stories are bad stories. We just call them as they are." -- DBurns
demonstrates his sheer cluelessness on Mar 9, 2002, at 6:25 pm, in
rec.arts.drwho

"Oh, and Snarky, if you're listening: Fuck you, Asshole! Enjoy the few remaining days of your internet access." Kooky troll John Long gets delusional, in Message-ID: <3C36AA50.31DD0...@epix.net>

A sad little top-poster with the nym of "Choirboy" once lamed:

> Well, gee, coming from an asshole like *you* ...
> ESAD, ya 'ho bitch.

Please to be posting proof, you facile fridgemagnet.
-- replied the Aussie rapier, aka fnord/Affinity, in a now-lost message

"I have a dream...that one day the whole world will know the joy of my nipples!" -- Stimpy

"The meek shall inherit the earth -- 2' x ~6' x 6' of it."

"If English was good enough for Jesus Christ, it's good enough for these U-nited States!" -- an unknown politician, in a senate floor debate over bilingual education.)

"The policeman isn't there to create disorder, the policeman is there to preserve disorder" -- Mayor Richard Daley of Czechago, September 23, 1968

"Moral: it's not a plot hole if two eyes and two brain cells can solve it." -- Keith Goodnight, in atbvs, on NNTP-Posting-Date: Mon, 03 Jun 2002 16:46:02 EDT

"Kung fu's useful!"

"Bernadette, you ignorant oaf.
Bernadette, you brainless dullard.
Bernadette, you feeble-minded wag.
Bernadette, you blathering baboon.
Bernadette, you babbling boor.
Bernadette, you depraved dolt.
Bernadette, you stinking slimeball.
Bernadette, you yammering yak.
Bernadette, you lily-livered lush.
Bernadette, you hard-hearted hulk."
-- Mother Be Strange gets very hard on herself, in
MID: <94b6d5f1.0203221829.3587ccd3@posting.google.com>

"[Lurlean] would never dream of sleeping with a dog. The Bible's against it. You don't seem to care what the Bible says, so she thought maybe you gave that a try too -- in addition to sucking on Steve, letting him play with your butt, and having seven different lesbian lovers in our bed." -- Sistah Moonshine shocks a.p.h. with the revelation that she got it off with "Romaine Brooks", in a now-vanished message

"I should have known my boss was evil when he called my jumping onto my chair to praise the Lord out loud 'inappropriate behavior.'" -- Sistah Moonshine: Oppressed Christian, in another vanished message

"I made a pact with the devil." -- Sistah Moonshine, from her dream diary

"'drink that hooch,' they would say, 'and then smoke that joint. Bury your head in that strange woman's crotch and bring her to a thunderous climax with your tongue, then tell her no man could ever give her that much pleasure in a thousand years. Tell her to leave her husband and become a lesbian. Drip hot wax on that pervert's nutty buddies and then charge him extra for the privilege.'" -- Sistah Moonshine is now working on an erotic epic to outmatch Anne Rice.

"Roe V Wade has zero bearing on my existence other than it affects it adversely."
-- Johnny Wentzky never had much truck with "logic".

"You are the GOD-DAMNED, IGNORANT LIAR here.
Now, that is not me taking the Lord's name in vain."
-- John Wentzky: Living proof of the Death of Irony, in Message-ID: <jljOe.5348$ZD4.3...@bignews3.bellsouth.net>

"Stupidity excuses nothing. It's only a reason...." -- Phxbrd

"The whining has just begun." -- John Wentzky

"It's not nice to misrepresent Mother Nature."

"Gay men deserve to die." -- John Wentzky

Joseph Bartlo wrote:
> A big mean meanie and heavyweight kookologist responding to my text
> and making me look like a colossal idiot. No more whinges to this mean
> person who keeps pounding my ass into the ground - you go on the lits
> of people who have trounced me. The state I left that group was
> embarassing to me. There were too many posts to follow them all, and I
> know a lot of people were saying mean things about me - but a few
> sucked up. So it was best at that point rather than to browse all the
> crap to simply make a standard post telling people a lot of bullshit
> I'd just made up. I did that on many other groups, but the war is only
> fought here. If anyone thinks I am the least bit kidding, consider how
> long this has been going, how little I have accomplished (i.e., how
> much the mean, mean kookologists have changed everything), and that I
> have a lot of goats to blow.
-- in MID: <43745576.1E07F998@verizon.net>

"America is supposed to be the world's melting pot,
so melt!!" -- from some BBS

"There are no governors anywhere."

"The personal _is_ political."

"If humans decline to exercise faith, then an
omnipotent God is impotent." -- Teresita, x-posted to APH

"Gabrielle?! Monkey-man, you bring her back! You know, you two are beginning to irritate me with these obsessions of yours! Fish don't just catch themselves!" -- Xena, "Fins, Femmes, & Gems" (64/318)

"I don't think so because, I'm a whole lot smarter and far less bigoted than the average Jew, although smart Jews as having collaborated with your Skull and Bones Third Reich certainly have more of those in-your-face balls than I'd ever have to work with." -- Guthball drools all over my irony meter, in MID: <fea985f50107c84f4d1d4894114d1989.49644@mygate.mailgate.org>

"You never asked someone who goes into areas of the internet that are only for adults who has an underage id somehow or another if they are a cop posing as an underage person online?
I guess lots of people just don't watch dateline or read stories much. Why don;t you go to pervertedjustice,com and see what they do. They are awash in their self-proclaimed glory after they lied to membners of the public.
They are awash in their self-proclaimed glory after they posed as an underage person and agreed to do all sorts of sex acts wioth adult males, and they are adults posing as teenager themselves. They make themsleves into liars by falsely impersonating underage persons and by not fuilfilling the words they tell the victims online in their chats. Why don't you read it where they tell these victims of their deceit about how they have been with grown men and such? Why don't you read it where they say, "That would be cool." after someone makes an advance towards an adult who is posing as a teenager? And, where they agree to meet the person, etc.
Lost control, didn't you?
Is that why you feel as if you need to lie so much now? I see where lots of these false impersonation games are not sticking. They feel as if they can lie and then order the victims to get counseling in the gayblade, governmental, pro-choice tax leech counseling centers. They are doing nothing more than usury and fraud in many cases." -- Wentzky almost comes out of the closet as a pedo/ephebophile in MID: <H%%Eg.28916$Uq1.22411@bignews6.bellsouth.net>

"This bandwidth has been rescued from AOL." -- mimus

No-one expects the Fannish Inquisition!

309. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 13:23:25 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <190820060723254529%erfc@netcabal.com>
Source record: 1515
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

Lola Stonewall Riot <popesnarky@meowmeowmeow.org> wrote:

>Hail Eris! On Sat, 19 Aug 2006 07:00:03 -0600, Art Deco wrote:
>> TransWench wrote:
>>>I was busily flonking away in alt.usenet.kooks, when The Goddess Eris
>>>Herself suddenly made me reply to Art Deco:
>>>> Slow Code wrote:
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>>>>>>> an old friend wrote:
>>>>>>>> donttrythisathome wrote:
>>>>>>>> > "an old freind" wrote...
>>>>>>>> > > by truly spamming the ng which of course various parties will
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"Who is "David Tholen", Daedalus? Still suffering from
attribution problems?"
-- Dr. David Tholen

310. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 13:36:39 UTC
From: "Text Medium No. 5" <mhm29x21@meow.flonk>
Message-ID:
<pan.2006.08.19.13.36.38.457023@hail.eris.flonk.meow.all.hail.discordia.meow.flonk.mockery.demon.not.really.leola>
Source record: 1516
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

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>
> Shuttup, spammer.

Shuttup, spammer.

--
Shon'ai
"I was told there would be cookies."
Cross-Poasters For Goddess!
Remember: Straight people can't help it!

311. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-19 23:03:46 UTC
From: Art Deco <erfc@netcabal.com>
Message-ID: <190820061703463831%erfc@netcabal.com>
Source record: 1517
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

Text Medium No. 5 <mhm29x21@meow.flonk> wrote:

>Hail Eris! On Sat, 19 Aug 2006 07:23:25 -0600, Art Deco jabbered inanely:
>> Lola Stonewall Riot wrote:
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"Who is "David Tholen", Daedalus? Still suffering from
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-- Dr. David Tholen

312. Re: well Mr Slow code has decicded to highlight the problems of the NG - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-20 00:53:25 UTC
From: FreeSpeechStore <freespeechstore@meow.fuckhead>
Message-ID: <pan.2006.08.20.00.53.23.765962@snarky.trolling.and.mocking.scoville>
Source record: 1518
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space,alt.alien.vampire.flonk.flonk.flonk,alt.music.michael-jackson,rec.music.classical.recordings,comp.os.os2.advocacy

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Shuttup, spammer.

--

Hail Eris!
Not Richard Scoville
Rookie Kook of the Year, 2005
Kook of the Month, December 2005
Clueless Newbie of the Month, October 2005
Palmjob Paddle, January 2006
George Pickett Memorial Trophy, October 2005
Coward of the Month, October 2005
George Armstrong Custer "Kicked @$$" Award
Kenny McCormick Memorial Medal
Order of the Holey Sockpuppet
Balsa Gavel
Richard M. Scoville is explicitly denied the right to archive any of my
posts, under any of my nyms, on his site, FreeSpeechStore.com, winner of
the Richbull.com Memorial Award for Kooksite of the Year, 2005
http://tinyurl.com/c222n
"It's claiming authority based on absurd myths and fantasy beings - that
creates anger." -- Kurt Gavin

313. Re: some explanation since Robeson has choosen to renew his assult on th NG, and me - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-20 22:50:52 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <gH5Gg.10934$xp2.10518@newsread1.news.pas.earthlink.net>
Source record: 1519
Cross-posted to: rec.radio.amateur.policy,alt.usenet.kooks,alt.revenge,rec.radio.cb,rec.radio.amateur.space

"an old freind" <kb9rqz-ars@hotmail.com> wrote in
news:1155767340.849495.207160@m73g2000cwd.googlegroups.com:

>
> Text Medium No. 5 wrote:
>> Hail Eris! On Fri, 11 Aug 2006 09:16:13 -0700, marqueenie_von_dork
>> jabbered inanely:
>
>> > YOU,otoh, have gone out of your way to post gay filth here. I have
>> > copies of YOUR posts to prove it. YOU are not welcome here you filty
>> > sodomite!
>> >
>> > aren't you in violation of the states sodomy laws??
>>
>> Keep it up. I see many k00k awards in your future, you busted urinal.
> and in his past he is Roger Wisemen sometimes called Woger
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

314. Re: STFU - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-20 22:51:11 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <zH5Gg.10949$xp2.6448@newsread1.news.pas.earthlink.net>
Source record: 1520
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

"Not Cocksucker Lloyd" <not_time_turd_lloyd@yahoo.com> wrote in
news:1155731470.893781.68090@m73g2000cwd.googlegroups.com:

>
> an_old_friendless cocksucker wrote:
>> cease
>
> Cease breathing.
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

315. Re: Retard Mark makes good spell - Mark, Just ignore them.

Newsgroup: rec.radio.amateur.space
Date: 2006-08-20 22:51:42 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <2I5Gg.10959$xp2.8866@newsread1.news.pas.earthlink.net>
Source record: 1521
Cross-posted to: rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

peewee_lloyd_davies@yahoo.com wrote in news:1155756718.845363.87450
@b28g2000cwb.googlegroups.com:

>
> an old fraud wrote:
>> Not Cocksucker Lloyd wrote:
>> > an_old_friendless cocksucker wrote:
>> > > cease
>> >
>> > Cease breathing
>> eom
>
> "eom?" BWHAHAHAHAHAHAHAHAHAHA!
>
>

Mark, Just ignore them.

They only tease you because of the stupid things you say when you
follow up. Just ignore them and they'll give up.

Stop giving them reasons to tease you. It only makes you look
more stupid.

Take a break from the radio groups for a while, Maybe work on your
moon bounce some more.

SC

316. ANS-232 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-08-24 21:17:41 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <VHoHg.13449$xp2.9418@newsread1.news.pas.earthlink.net>
Source record: 1522

AMSAT NEWS SERVICE
ANS-232

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

****

In this edition:

* ISS Commander McArthur to Keynote at AMSAT Symposium
* JAMSAT Announces a New Satellite Operating Award
* Japanese HITSAT Amateur CubeSat to Launch September 23rd
* SSTV Testing Continues from ISS
* Remember to Vote in the AMSAT BoD Election
* Commission Probing Dnepr Crash Presents Preliminary Conclusions
* OSCAR-11 Heard Again

SB SAT @ AMSAT $ANS-232.01
ISS Commander McArthur to Keynote at AMSAT Symposium

AMSAT News Service Bulletin 232.01
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.01

AMSAT is excited to announce that ISS Expedition 12 Commander William (Bill) S. McArthur, KC5ACR, will be the keynote speaker at the 2006 AMSAT Space Symposium to be held at the Crowne Plaza Hotel in Foster City, California, October 6-8, 2006.

Commander McArthur is well known to ham radio operators - during his six months aboard the ISS he became the most active radio amateur ever to serve in space. Commander McArthur logged more than 1800 QSOs, and earned the ARRL Worked All States Award. His impressive track record also included a record 37 school contacts, Worked All Continents (including Antartica) and 130 DXCC entities.

Astronaut McArthur is a veteran of four space flights that include:
* STS-58 - October 1993 (Spacelab Life Sciences Mission 2)
* STS-74 - November 1995 (Shuttle-Mir Docking Missing 2)
* STS-92 - October 2000 (ISS Assembly Mission 3A)
* Expedition 12 - October 2005
In addition Bill has made four spacewalks (two each aboard STS-92 and Expedition 12) and was on backup crews of Expeditions 8, 9 and 10. He will be featured during the Annual Banquet on Saturday evening, October 7, 2006.

The 2006 Space Symposium will be a joint meeting with the ARISS International Delegates and will also include the IARU Satellite Advisory Panel annual meeting, and a meeting of AMSAT International Delegates. For additional information please visit the AMSAT website at http://www.amsat.org. Click on the 2006 Space Symposium link in the left side menu.

This year you can register for the Space Symposium online. Online Registration can be found at http://www.amsat-na.com/symposium

[ANS thanks Emily Clarke, N1DID, AMSAT 2006 Symposium Chair, for the above information]

/EX

SB SAT @ AMSAT $ANS-232.02
JAMSAT Announces a New Satellite Operating Award

AMSAT News Service Bulletin 232.02
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.02

Mikio Mouri, JA3GEP, President of Japan-AMSAT (JAMSAT) announced the availability of the new JAMSAT Five Stars Award on August 17, 2006.

JAMSAT's goal is to get more activity on amateur radio satellite comm-unications, to get more hams interested in this aspect of the hobby, and to protect the frequency allocation of the amateur satellites.

This Award is opened for world wide, with following rules.

1. The applicant is required to establish a QSO with five(5) different stations over five (5) different Satellites. (Total 25 QSL Cards required)

2. Each specific satellite is counted once, even the QSO was made on
different mode or band on the same satellite.

3. Valid only for 2way QSOs. Cross mode QSOs are not valid on this award.

4. The QSOs using Digital mode and SSTV are valid, however you are
requested to get QSL Cards. (e-QSL is not acceptable.)

5. No specific endosement (eg. CW, SSB) is provided.

6. QSOs made after the January 1st, 2006 at 00:00 UTC are valid.

7. As for the application, no specific format is provided. You can use
your own QSO list, however it is recomended to use formats used by
ARRL or JARL. You need to have your application certified by 2
local radio amateurs, but please DO NOT send QSL cards to us. (We
can not take any responsiblity for them.)

8. Fee on the application: Outside of Japan please send Ten(10) "NEW"
IRCs with the application. Japanese radio amateurs should include
800 yen by Postal Money Order. (If you are a member of the JAMSAT,
then 400 yen is applicable).

9. Donations are welcomed: This is not a requirement, but any donations
to build new amateur satellites will be most welcome. If you wish to
donate, please add this amount to your award application fee. JAMSAT
will remit your donations to AMSAT-DL and/or AMSAT-NA accordingly.
(Please understand that the JAMSAT-Board is entitled to divide the sum
of donations for each party and project.)

10. Mailing address--Please forward your application to the following.

JAMSAT AWARD OFFICE
For the attention of Mr. S. Murakami
PO Box 26, Mizushima Post Office,
Kurashiki, Okayama 712-8691, Japan

11. Questions and Information
If you have had any questions, please send your message by e-mail to:
madoguchi@jamsat.or.jp

[ANS thanks JAMSAT for the above information]

/EX

SB SAT @ AMSAT $ANS-232.03
Japanese HITSAT Amateur CubeSat to Launch September 23rd

AMSAT News Service Bulletin 232.03
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.03

Mineo Wakita JE9PEL has passed on the information that the launch
date of the HITSAT satellite is currently September 23rd.

HITSAT was developed by the student association 'Hokkaido Space Union'
of the Hokkaido Institute of Technology.

It will be launched from the Uchinoura Space Center on the M-V-7 rocket
as a sub-payload.

The main-payload of the launch is SOLAR-B.
http://www.isas.jaxa.jp/e/enterp/missions/solar-b/index.shtml

It is planned to go into a sun synchronous orbit with an orbital
altitude at perigee of 250km and 600km at apogee with an inclination
of 97.79 degrees.

HITSAT is a 12cm cube with a mass of 2.2 kg. It carries a 100 milliwatt
CW beacon on 437.275 MHz and an FM transmitter on 437.425 MHz with a
145.980 MHz uplink.

See the HITSAT Project web page at:
http://www.hit.ac.jp/~satori/hitsat/index-e.html

[ANS thanks Mineo, JE9PEL for the above information]

/EX

SB SAT @ AMSAT $ANS-232.04
SSTV Testing Continues from ISS

AMSAT News Service Bulletin 232.04
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.04

Cor, PD0RKC reports that Russian commander Pavel continues to
test the SSTV equipment aboard the ISS Space Station. The most
recent pictures this week were received on the 145.800 MHz downlink
frequency.

There have been some equipment problems so it is only switched on
when Pavel is near the transceiver, mostly in his presleep time on
the passes in Moscow. You can see the 8 ISS SSTV pictures on Cor's
website: http://www.pd0rkc.com. Cor also requests in case anyone
has more ISS SSTV pics please send them to: skyman@hetnet.nl

MSNBC has an article about the SSTV from space at:
http://cosmiclog.msnbc.msn.com/archive/2006/08/17/2213.aspx

In England, the Essex Chronicle newspaper featured David M0ZLB's
achievement in receiving pictures from SpaceCam1 onboard the ISS
on the front page. See the article on-line at: http://tinyurl.com/nqmee

[ANS thanks Cor, PD0RKC for the above information]

/EX

SB SAT @ AMSAT $ANS-232.05
Remember to Vote in the AMSAT BoD Election

AMSAT News Service Bulletin 232.05
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.05

If you have not mailed your AMSAT ballot , now is the time to do so!
The ballot has to arrive at the office by September 15th. Look over
the bios at http://www.amsat.org/amsat-new/articles/2006_Board_Candidates/
and VOICE YOUR CHOICE and VOTE!!!

[ANS thanks Martha at AMSAT HQ for the above information]

/EX

SB SAT @ AMSAT $ANS-232.06
Commission Probing Dnepr Crash Presents Preliminary Conclusions

AMSAT News Service Bulletin 232.06
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.06

The commission investigating the crash of the Dnepr launch vehicle
in Kazakhstan in July has come to its preliminary conclusions regard-
ing the cause of the accident, Kosmotras, the company responsible for
the rocket's launch, said in a press release and reported by Interfax.

"The conclusions presented by the commission in its preliminary report
indicate that the command system functioned without a hitch during
the rocket's launch," the release reads.

The report continues, "A brief malfunctioning of the hydraulic gear
of one of the combustion chambers of the first stage's engine unit is
the reason behind the abortive launch. The cause of the hydraulic
gear's failure has been established. The commission is preparing
recommendations on how to repair this problem".

[ANS thanks the Moscow Staff Writers at SpaceDaily.com for the above
information]

/EX

SB SAT @ AMSAT $ANS-232.07
OSCAR-11 Heard Again

AMSAT News Service Bulletin 232.07
>From AMSAT HQ SILVER SPRING, MD.
August 20, 2006
To All RADIO AMATEURS
BID: $ANS-232.07

In the OSCAR-11 Report for August 19, 2006, Clive, G3CWV told AMSAT members that, "OSCAR-11 IS BACK! During the period 17 July to 19 August 2006 the satellite was heard on 26 July for a few orbits, and then from 16 August. At the time of this writing it is currently transmitting."

Observation of the 145.826 MHz. beacon transmission times, indicate that the watchdog timer has timed out for five periods of 20.5 days during the eclipse season. The eclipses have now ended, and the satellite should be in continuous sunlight until next year. If the normal watchdog timer sequence continues, the beacon should switch OFF around 26 August, and restart around 06 September.

Clive expressed gratitude for the ground station help he has received from around the world. He wrote, " I am indebted to Peter ZL3TC, Dave G1OCN, and Dave WB6LLO for their reports and for monitoring the satellite during this period. Many thanks.

The satellite's attitude is controlled only by the passive gravity boom gradient, and the satellite is free to spin at any speed. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

Listeners to OSCAR-11 may be interested in visiting Clive's website which contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/. If you wish to contact Clive you can reach him at his [callsign@amsat.org] e-mail address.

[ANS thanks Clive, G3CWV for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

317. WSR-233 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-08-24 21:17:44 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <YHoHg.13450$xp2.10137@newsread1.news.pas.earthlink.net>
Source record: 1523

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-233.S1
WSR 233 Part 1 08/21/2006

AMSAT NEWS SERVICE BULLETIN 233.S1 FROM AMSAT HQ
SILVER SPRING, MD, August 21, 2006
TO ALL RADIO AMATEURS
BID: $ANS-233.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - ON
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08142006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS

Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-233.S2
WSR 233 Part 2 08/21/2006

AMSAT NEWS SERVICE BULLETIN 233.S2 FROM AMSAT HQ
SILVER SPRING, MD, August 21, 2006
TO ALL RADIO AMATEURS
BID: $ANS-233.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov, RV3BS
Flight Engineer: Jeff Williams, KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: ISS Packet =>VOICE Contacts

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

PCSAT2 SPECIAL EVENT AND OPERATIONS

Subj: ISS Packet =>VOICE Contacts:

Starting on 4 August, and for the 26 days remaining of
PCSAT2's operation on ISS, PCSAT2 will be configured for
VOICE response to normal packets transmitted via the normal

ISS digipeater 145.99 uplink (or PCSAT2's uplink on 145.825
if the ARISS packet system is not operational). The command
station's voice downlink will be on 437.975 +/- Doppler and
he/she willl attempt to acknowledge by voice all packets seen
on the packet uplink.

The UHF downlink will be weak (only 1 Watt) and being
UHF (9dB worse than 2m), will need at least a small
beam to hear it.

Users who want to participate, simply send your packets
as normal VIA ARISS on 145.99 uplink (if available or via
145.825 if not) but listen on the 437.925 downlink for the
combined voice and packets. This will only work when
PCSAT2 is in range of a participating command station and
there is no guarantee that all command stations will be available
on any given pass. In otherwords, this may be rare, but fun.

Right now, passes in the Northern Hemisphere are occuring
before sunrise, so only the last two morning passes may be
so manned for voice. Passes in the Southern Hemisphere
right now are from midday into evening.

Best thing to do is simply monitor 437.975 during ISS passes
and if you hear a command station, then send us a 'hello'
packet via the ISS digipeater.

We need a volunteer command station in South America,
South Africa and some other footprints too if activity is
desired in those areas.

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[08072006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - ON
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08142006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
CO-55 CUTE-1.7

Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)

Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-233.S3
WSR 233 Part 3 08/21/2006

AMSAT NEWS SERVICE BULLETIN 233.S3 FROM AMSAT HQ
SILVER SPRING, MD, August 21, 2006

TO ALL RADIO AMATEURS
BID: $ANS-233.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]

=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828

Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12

Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz

Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-233.S4
WSR 233 Part 4 08/21/2006

AMSAT NEWS SERVICE BULLETIN 233.S4 FROM AMSAT HQ
SILVER SPRING, MD, August 21, 2006
TO ALL RADIO AMATEURS
BID: $ANS-233.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
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/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

318. ANS-239 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-08-30 13:31:21 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <JqgJg.12047$Qf.3805@newsread2.news.pas.earthlink.net>
Source record: 1524

AMSAT NEWS SERVICE
ANS-239

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

****

In this edition:

* Sunday at the Symposium to Feature Dr. Scott Sanford
* AMSAT Symposium Call For Papers Deadline Extended to September 1
* Important Information For AMSAT Symposium Hotel Reservations
* ARISS Slow-Scan TV System Checkout Continues
* AMSAT Office Closed August 28 Through September 8
* AMSAT Mailing Lists Upgraded
* Last Chance for PCSAT2 Operations
* SMART to Smack the Moon

SB SAT @ AMSAT $ANS-239.01
Sunday at the Symposium to Feature Dr. Scott Sanford

AMSAT News Service Bulletin 239.01
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.01

AMSAT is very pleased to announced that Dr. Scott Sanford, NASA Principal Investigator and co-director of the NASA Ames Astrochemistry Laboratory, has accepted our invitation to provide a key presentation during our tour

of the Ames Exploration Center. Dr. Sanford will speak on about sample return from comets and asteroids in general and specifically about the Stardust Sample and Return Mission to Comet Wild 2.

Dr. Sanford was one of the original team members to propose capturing dust from a comet and bringing it back to Earth. Stardust was launched in February 1999, and in January 2004 approached Wild 2 within 150 miles of the nucleus, collecting samples and capturing detailed imagery of the comet's surface. On January 15th 2006 Stardust re-entered the Earth's atmosphere and successfully completed it's mission after landing in the salt flats of northwestern Utah.

For Dr. Sanford, the investigation is just beginning as he and a team of 180 other scientists are hard at work to analyze the Stardust samples. This team will likely spend years unlocking secrets from the samples. Their efforts will lead to a better understanding about the formation of our solar system and perhaps even the origin of life on Earth and elsewhere in the Solar System.

So be sure to join us Sunday afternoon for what promises to be an exciting event. There is no charge for visiting the Ames Exploration Center or attending Dr. Sanford's presentation. Round trip bus transportation from the Symposium Venue to Ames is available and costs $14. You can register for the bus online through the AMSAT store.

The 2006 Space Symposium will be a joint meeting with the ARISS International Delegates and will also include the IARU Satellite Advisory Panel annual meeting, and a meeting of AMSAT International Delegates. For additional information please visit the AMSAT website at http://www.amsat.org. Click on the 2006 Space Symposium link in the left side menu.

This year you can register for the Space Symposium online. Online Registration can be found at http://www.amsat-na.com/symposium

[ANS thanks the 2006 AMSAT Space Symposium Committe for the above information]

/EX

SB SAT @ AMSAT $ANS-239.02
AMSAT Symposium Call For Papers Deadline Extended to September 1

AMSAT News Service Bulletin 239.02
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.02

Invitation: Speakers are invited to submit and present papers dealing with the science of Amateur Radio Satellites and associated technologies for the AMSAT 2006 Space Symposium. The Symposium will be held at the Crowne Plaza Hotel in Foster City, California approximately 10km south of San Francisco International Airport. This is an annual Symposium,

however the 2005 Symposium was cancelled due to hurricane damage caused by hurricanes Katrina and Rita. Speakers originally scheduled for the 2005 Symposium are invited to re-submit papers for the 2006 Symposium.

Topics: Recommended topics include but are not limited to the following categories:

* AMSAT P3E * Mechanical
* AMSAT Eagle * Antennas
* Microsatellite Projects * Groundstations
* Cubesats and Nanosatellites Projects * Digital Modes
* Launch Opportunities for Small Satellites * Education & Outreach
* Attitude Determination and Control * ARISS
* Propulsion * Status Reports
* Communications

To view currently submitted papers visit the Call for Papers Status page at http://www.amsat.org/amsat-new/symposium/2006PapersStatus.php

Deadline: Applications to present papers must be submitted by 1 September 2006. Papers must be submitted no later than 7 September 2006.

Procedure: We have created an online system to facilitate your application and track it. Using this system you will also be able to submit your papers and any subsequent corrections. Visit the 2006 Symposium Paper Registration webpage for instructions on submitting your paper. See: http://www.amsat.org/amsat-new/symposium/2006PapersProcedure.php

If you have already submitted information about your paper and have your Confirmation Number, you can view/update your application and submit your paper by visiting the 2006 Paper Management webpage. See: http://www.amsat.org/amsat-new/symposium/2006PaperRetrieval.php

[ANS thanks the 2006 AMSAT Space Symposium Committe for the above information]

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SB SAT @ AMSAT $ANS-239.03
Important Information For AMSAT Symposium Hotel Reservations

AMSAT News Service Bulletin 239.03
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.03

Emily Clarke, N1DID, Chairperson for the 2006 AMSAT Space Symposium in the San Francisco Bay area, commented on the problems being experienced with the hotel reservation system.

Emily reported, "It seems like we are running into a similar problem with the Intercontinental Reservation system as we did in Washington

and Lafayette. When this happens, people making reservations are told that there are no rooms available. After speaking with the hotel we know what is happening and why, and it is really a bug in the reservation software that affects both the online system and the system the customer service representatives use."

It is important to understand how the discounted rate system works in order to reserve your rooms successfully. AMSAT has a block of rooms set aside from the 4th through the 10th of October, and the discounted rate code only applies during that period. If you book a room outside that range the reservation software will tell you (or a customer service representative) that there are no rooms available.

Here are some additional steps that will guide you to a successful reservation:

1) Make a reservation for within the dates of October 1st through the 13th using the AMS discount code.

2) Make a second (or third if necessary) for dates before and after that range.

If you have difficulties call the hotel directly at (650) 570-5700 or 1-877-2-CROWNE. Be sure to give them the AMS discount code and explain the reservations you need as described above.

You must make your reservations prior to September 13 to qualify for the discounted rate!

Please Note: The symposium rate is for a standard room - you can upgrade to an executive room or suite at a discounted rate.

[ANS thanks the 2006 AMSAT Space Symposium Committe for the above information]

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SB SAT @ AMSAT $ANS-239.04
ARISS Slow-Scan TV System Checkout Continues

AMSAT News Service Bulletin 239.04
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.04

The ARRL, a partner with AMSAT and NASA for the ARISS project, said that Expedition 13 Commander Pavel Vinogradov, RV3BS continues to troubleshoot the slow-scan television (SSTV) system onboard the ISS. "So far, the SSTV system has been unable to function properly in the autonomous slide show mode", according to NASA ARISS Project Engineer Kenneth Ransom, N5VHO.

Plans call for Vinogradov, as his schedule permits, to continue checking out the SSTV software, configure and optimize the radio and perform

integration checks. The SSTV system remains off the air for the time being.

ARISS International Chairman Frank Bauer, KA3HDO, said that the ARISS team expected SSTV system testing to continue over the next few weeks. "Since this is a 'spare time' activity for Pavel, please bear with us as we go through this aspect of system setup," said Frank. "It is not possible right now for Pavel to switch between modes (eg voice, packet and SSTV) on the Kenwood and continue the methodical process of system setup and reconfiguration."

The SSTV system uses the ARISS Phase 2 station, a modified Kenwood TM-D700E transceiver. In recent weeks, ARISS has been using the Phase 1 station, an Ericsson hand-held transceiver, to conduct contacts with schools.

Check your tracking keps! The ISS was reboosted during a nine-minute, four-second burn of the ISS Progress 21 engines on Wednesday, August 23. While this will place the station at the correct altitude to support the rendezvous with Space Shuttle Atlantis for the STS-115 launch and for the Soyuz launch of the Expedition 14 crew in September, the 2.5 mile increase in altitude will cause the ISS to appear later than predicted if you are using pre-boost keplerian elements.

[ANS thanks the ARRL and ARISS for the above information]

/EX

SB SAT @ AMSAT $ANS-239.05
AMSAT Office Closed August 28 Through September 8

AMSAT News Service Bulletin 239.05
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.05

The AMSAT office will be closed from August 28th - September 8th when Martha will be going on her first 2 week vacation in over 25 years. Enjoy!

[ANS thanks Martha for the above information]

/EX

SB SAT @ AMSAT $ANS-239.06
AMSAT Mailing Lists Upgraded

AMSAT News Service Bulletin 239.06
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.06

Paul, KB5MU, AMSAT Director of Electronic Communications reported that the mailing lists at amsat.org have been converted over to a new program. Instead of Majordomo, AMSAT is now using GNU Mailman. Everybody's subscription was transferred over automatically, so you don't have to take any action to continue to receive your current mailing lists.

The big difference is that subscribing and unsubscribing is now done on the web instead of by sending email. To subscribe, unsubscribe, or change any of a number of new options for email delivery, start on http://www.amsat.org/mailman/listinfo and select the mailing list of interest. From there, the forms are intended to be self-explanatory. You can also get to the forms using the web link at the bottom of every message from the mailing list.

One thing has not changed: if you need help from a human, send email to listmaint@amsat.org. Don't send any requests for help, subscribe or unsubscribe requests, or test messages to the mailing lists.

Daily digests are handled a bit differently in Mailman. Instead of separate mailing lists (for example, amsat-bb for individual messages and amsat-bb-digest for the digest), there is a single mailing list (amsat-bb) and each user can set various options, including digest mode. Subscribers to digest mailing lists were transferred to the single mailing list, with the digest option enabled. If you're one of the few subscribers who were getting both individual messages and the digest for the same list, that is no longer possible.

More on AMSAT's mailing list services at http://www.amsat.org/amsat-new/tools/maillist/maillist.php or click on Mail Services on AMSAT's main web page.

If you notice any problems or have any questions, send mail to listmaint@amsat.org.

[ANS thanks Paul, KB5MU for the above information]

/EX

SB SAT @ AMSAT $ANS-239.07
Last Chance for PCSAT2 Operations

AMSAT News Service Bulletin 239.07
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.07

Bob, WB4APR told AMSAT members about the final two operating modes that will be available via PCSAT2. The first mode will allow radio amateur to hear a voice response to packets which have been digipeated. The second mode is the final opportunity to test PCSAT2's CW/PSK transponder.

For the remaining days of PCSAT2's operation on ISS, which ends this week on August 30, the amateur radio payload will be con-

figured for VOICE response to normal packets transmitted via
the normal ISS digipeater 145.99 uplink / 145.800 downlink.
The command station's voice downlink will be on 437.975 +/-
Doppler and he/she will attempt to acknowledge by voice all
packets seen on the packet uplink or generally chat about the
system.

Users who want to participate, simply send your packets as normal
'VIA ARISS' on 145.99 uplink / 145.800 downlink, but listen on
the 437.975 MHz downlink for the combined voice and packets.

This will only work when PCSAT2 is in range of a participating
command station and there is no guarantee that all command stations
will be available on any given pass.

Bob describes the final opportunity for amateur radio satellite
stations to test the PCSAT2 CW and PSK transponder.

To switch on the CW/PSK transponder mode you need to send a 1200
baud packet CONNECT-REQUEST to "PCSAT2" on 145.825 uplink. This
packet "connection" will trigger The 29.401 to 435.275 MHz transponder
to come up for the duration Of the connection or 1 minute which ever
ends first.

Due to 10 meter receiving sensitivity problems aboard PCSAT2 your
earth station will need to transmit at high power - 100 watts or
greater on the 29.401 MHz CW/PSK uplink frequency. Listen on the
435.275 MHz FM downlink for the signal.

[ANS thanks Bob, WB4APR, and the US Naval Academy Satellite Station
for the above information]

/EX

SB SAT @ AMSAT $ANS-239.08
SMART to Smack the Moon

AMSAT News Service Bulletin 239.08
>From AMSAT HQ SILVER SPRING, MD.
August 27, 2006
To All RADIO AMATEURS
BID: $ANS-239.08

The European Space Agency's SMART-1 spacecraft currently in lunar orbit
will conclude its scientific observations of the Moon through a small
impact on the lunar surface on September 3. This is planned to take place
in the lunar Lake of Excellence, located at mid-southern latitudes on
the earth-facing side of the moon.

A trim maneuver at the end of July has determined that the impact will
most likely occur on 3 September 2006 at 07:41 CEST (05:41 UT), or at
02:36 CEST (00:36 UT) on the previous orbit due to uncertainties in the
detailed knowledge of the lunar topography at the impact site.

ESA astronomers predict even if the impact at 2 kilometers per second is of modest energy, the plume might be observable if it reaches sunlight, with an amateur telescope or binoculars.

Additional information is available at this link:
http://sci.esa.int/science-e/www/area/index.cfm?fareaid=98

[ANS thanks the ESA and SpaceDaily.com for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

319. WSR-240 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-08-30 13:31:29 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <RqgJg.12048$Qf.7934@newsread2.news.pas.earthlink.net>
Source record: 1525

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-240.S1
WSR 240 Part 1 08/28/2006

AMSAT NEWS SERVICE BULLETIN 240.S1 FROM AMSAT HQ
SILVER SPRING, MD, August 28, 2006
TO ALL RADIO AMATEURS
BID: $ANS-240.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/S
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08282006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM

Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-240.S2
WSR 240 Part 2 08/28/2006

AMSAT NEWS SERVICE BULLETIN 240.S2 FROM AMSAT HQ
SILVER SPRING, MD, August 28, 2006
TO ALL RADIO AMATEURS

BID: $ANS-240.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - ON
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:

T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for July 2006 according to the AO-51 command team:

August 14 to August 27 (Additional testing as above possible August 21
to 27)

FM Repeater
Downlink 435.300 mHz FM
Uplink 145.920 mHz FM with 67 hz Tone

August 28 to September 3

FM Repeater, V/S

Uplink: 145.920 mhz FM, No PL Tone
Downlink 2401.200 mhz FM

September modes are anticipated to include high power V/U repeater, L/S
re-
peater, and high power V/U 38.4 kbaud!

Official Webpage: http://www.amsat.org/amsat-new/echo/
[08142006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
GO-32 TECHSAT-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems

Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the satellite
behaves in the same way as it did last year, regular 10 day transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Voice Response to Packet Digis
CW/PSK Repeater

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[08282006]
=====

INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-240.S3
WSR 240 Part 3 08/28/2006

AMSAT NEWS SERVICE BULLETIN 240.S3 FROM AMSAT HQ
SILVER SPRING, MD, August 28, 2006
TO ALL RADIO AMATEURS
BID: $ANS-240.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT

Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[05232004]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html

[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey

Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-240.S4
WSR 240 Part 4 08/28/2006

AMSAT NEWS SERVICE BULLETIN 240.S4 FROM AMSAT HQ
SILVER SPRING, MD, August 28, 2006
TO ALL RADIO AMATEURS
BID: $ANS-240.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

320. les femmes mures chaudes du net

Newsgroup: rec.radio.amateur.space
Date: 2006-09-01 19:58:27 UTC
From: patricia@duweb.niz
Message-ID: <44f890e2$1$27375$ba4acef3@news.orange.fr>
Source record: 1526
Body handling: HTML body converted to readable text

Votre navigateur ne gere pas le frames !

This message was sent with NNTP Scribbler (www.e-advertize.com).

321. les femmes mures les plus chaudes du cul sont ici

Newsgroup: rec.radio.amateur.space
Date: 2006-09-01 20:22:21 UTC
From: patricia@duweb.niz
Message-ID: <44f8967d$0$25937$ba4acef3@news.orange.fr>
Source record: 1527
Body handling: HTML body converted to readable text

[No readable article body recovered]

322. ANS-246 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-09-06 14:04:36 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <UzALg.3912$v%4.1403@newsread1.news.pas.earthlink.net>
Source record: 1528

AMSAT NEWS SERVICE
ANS-246

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Deadline for Submitting AMSAT BoD Ballots Approaching
* Dr. Scott Sanford, AMSAT Symposium Tour Speaker
* 2006 AMSAT Symposium Final Call for Papers
* AO-51 Operating Schedule for September 2006
* JAMSAT Announces a New Satellite Operating Award
* Commission Probing Dnepr Crash Presents Preliminary Conclusions
* ARISS Status - 28 August 2006

SB SAT @ AMSAT $ANS-246.01
Deadline for Submitting AMSAT BoD Ballots Approaching

AMSAT News Service Bulletin 246.01
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.01

If you have not mailed your AMSAT ballot , now is the time to do so! The ballot must arrive at the office by September 15th. Look over the bios at
http://www.amsat.org/amsat-new/articles/2006_Board_Candidates/
and VOICE YOUR CHOICE and VOTE!!!

[ANS thanks Martha at AMSAT HQ for the above information]

/EX

SB SAT @ AMSAT $ANS-246.02
Dr. Scott Sanford, AMSAT Symposium Tour Speaker

AMSAT News Service Bulletin 246.02
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS

BID: $ANS-246.02

AMSAT, the Radio Amateur Satellite Corporation, is very pleased to announced that NASA Principal Investigator, Dr. Scott Sanford has generously accepted our invitation to provide a key presentation during the Symposium tour of the Ames Exploration Center. Dr. Sanford, who is co-director of the NASA Ames Astrochemistry Laboratory, will speak about sample return from comets and asteroids in general, and specifically about the Stardust Sample and Return Mission to Comet Wild 2.

Dr. Sanford was one of the original team members to propose capturing dust from a comet and bringing it back to Earth. Stardust was launched in February 1999, and in January 2004 approached Wild 2 within 150 miles of the nucleus, collecting samples and capturing detailed imagery of the comet's surface. On January 15th 2006 Stardust re-entered the Earth's atmosphere and successfully completed it's mission after landing in the salt flats of northwestern Utah.

So be sure to join us Sunday afternoon for what promises to be an exciting event.

The 2006 Space Symposium will be a joint meeting with the ARISS International Delegates and will also include the IARU Satellite Advisory Panel annual meeting, and a meeting of AMSAT International Delegates. For additional information and to register for transportation to the Ames Exploration Center please visit the AMSAT website at http://www.amsat.org/symposium.

73,
Emily Clarke, N1DID
Symposium Chair

[ANS thanks Emily, N1DID, for the above information]

/EX

SB SAT @ AMSAT $ANS-246.03
2006 AMSAT Symposium Final Call for Papers

AMSAT News Service Bulletin 246.03
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.03

2006 AMSAT North America Space Symposium
6-8 October 2006, Foster City, California
Call for Papers: Final Call
http://www.amsat.org/amsat-new/symposium/2006CallForPapers.php

Invitation: Speakers are invited to submit and present papers dealing with the science of Amateur Radio Satellites and associated technologies for the AMSAT 2006 Space Symposium. The Symposium will be held at the Crowne Plaza Hotel in Foster City, California approximately 10km south

of San Francisco International Airport. This is an annual Symposium, however the 2005 Symposium was cancelled due to hurricane damage caused by hurricanes Katrina and Rita. Speakers originally scheduled for the 2005 Symposium are invited to re-submit papers for the 2006 Symposium.

Topics: Recommended topics include but are not limited to the following categories:

- AMSAT P3E
- AMSAT Eagle
- Microsatellite Projects
- Cubesat and Nanosatellite Projects
- ARISS
- Attitude Determination and Control
- Propulsion
- Communications
- Mechanical
- Antennas
- Groundstations
- Digital Modes
- Education and Outreach
- Launch Opportunities
- Status Reports

Other Activities:
- The AMSAT Board of Directors will meet on 5-6 October.
- The AMSAT Annual General Meeting (AGM) will be held on 6 October.
- AMSAT International will meet 8 October
- The IARU Satellite Committee will meet during the Symposium and will hold a public round table discussion on frequency coordination on 8 October
- The ARISS International Delegates Meeting will be held on 9-10 October
- "Birds of a Feather" sessions (BOFS) will be available on request

Deadline: Applications for papers must be received ASAP. Papers must be submitted no later than 12 September 2006.

Procedure: The planning committee has created an online registration system where you can submit your abstract and track it. Using this system you will allow you to submit your paper and any subsequent changes online.

Visit the 2006 Symposium Paper Registration webpage for instructions: http://www.amsat.org/amsat-new/symposium/2006PapersProcedure.php

Contact Emily Clarke, N1DID for additional information or Jean Fletcher KG6IAK for additional information

Venue: See the 2006 Space Symposium web page for additional information about the venue.

[ANS thanks Emily, N1DID, for the above information]

/EX

SB SAT @ AMSAT $ANS-246.04
AO-51 Operating Schedule for September 2006

AMSAT News Service Bulletin 246.04
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.04

Drew Glasbrenner, KO4MA, has posted the AO-51 operating schedule for September. Drew explains, "We've tried to include a little bit of everything this month". Drew also requests that all requests to the ao51-modes@amsat.org list include "AMSAT" in the subject line. This will help sort out the valid requests from the waves and waves of spam that must be filtered through to be forwarded to the rest of the Committee.

Mode changes generally occur at ~0200Z on the dates indicated below.

September 1 to September 4
FM Repeater, V/S
Uplink: 145.920 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 24 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital

73, Drew KO4MA
AMSAT LM2332
For the AO-51 Operations Group

[ANS thanks Drew, KO4MA, for the above information]

/EX

SB SAT @ AMSAT $ANS-246.05
JAMSAT Announces a New Satellite Operating Award

AMSAT News Service Bulletin 246.05
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.05

Mikio Mouri, JA3GEP, President of Japan-AMSAT (JAMSAT) announced the availability of the new JAMSAT Five Stars Award on August 17, 2006.

JAMSAT's goal is to get more activity on amateur radio satellite communications, to get more hams interested in this aspect of the hobby,and to protect the frequency allocation of the amateur satellites.

This Award is opened for world wide, with following rules.

1. The applicant is required to establish a QSO with five(5) different stations over five (5) different Satellites. (Total 25 QSL Cards required)

2. Each specific satellite is counted once, even the QSO was made on different mode or band on the same satellite.

3. Valid only for 2way QSOs. Cross mode QSOs are not valid on this award.

4. The QSOs using Digital mode and SSTV are valid, however you are requested to get QSL Cards. (e-QSL is not acceptable.)

5. No specific endosement (eg. CW, SSB) is provided.

6. QSOs made after the January 1st, 2006 at 00:00 UTC are valid.

7. As for the application, no specific format is provided. You can use your own QSO list, however it is recomended to use formats used by ARRL or JARL. You need to have your application certified by 2 local radio amateurs, but please DO NOT send QSL cards to us. (We can not take any responsiblity for them.)

8. Fee on the application: Outside of Japan please send Ten(10) "NEW" IRCs with the application. Japanese radio amateurs should include 800 yen by Postal Money Order. (If you are a member of the JAMSAT, then 400 yen is applicable).

9. Donations are welcomed: This is not a requirement, but any donations to build new amateur satellites will be most welcome. If you wish to donate, please add this amount to your award application fee. JAMSAT will remit your donations to AMSAT-DL and/or AMSAT-NA accordingly. (Please understand that the JAMSAT-Board is entitled to divide the sum of donations for each party and project.)

10. Mailing address--Please forward your application to the following.

JAMSAT AWARD OFFICE
For the attention of Mr. S. Murakami
PO Box 26, Mizushima Post Office,
Kurashiki, Okayama 712-8691, Japan

11. Questions and Information
If you have had any questions, please send your message by e-mail
to: madoguchi@jamsat.or.jp

[ANS thanks JAMSAT for the above information]

/EX

SB SAT @ AMSAT $ANS-246.06
Commission Probing Dnepr Crash Presents Preliminary Conclusions

AMSAT News Service Bulletin 246.06
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.06

The commission investigating the crash of the Dnepr launch vehicle in Kazakhstan in July has come to its preliminary conclusions regarding the cause of the accident, Kosmotras, the company responsible for the rocket's launch, said in a press release and reported by Interfax.

"The conclusions presented by the commission in its preliminary report indicate that the command system functioned without a hitch during the rocket's launch," the release reads.

The report continues, "A brief malfunctioning of the hydraulic gear of one of the combustion chambers of the first stage's engine unit is the reason behind the abortive launch. The cause of the hydraulic gear's failure has been established. The commission is preparing recommendations on how to repair this problem".

[ANS thanks the Moscow Staff Writers at SpaceDaily.com for the above information]

/EX

SB SAT @ AMSAT $ANS-246.07
ARISS Status - 28 August 2006

AMSAT News Service Bulletin 246.07
From AMSAT HQ SILVER SPRING, MD.
September 3, 2006
To All RADIO AMATEURS
BID: $ANS-246.07

1. Japanese School Contact

Sendai Municipal Yoshinari Junior High School in Sendai, Miyagi, Japan experienced an ARISS contact on Friday, August 25. Only five students were able to have their questions answered due to technical difficulties the school experienced with the audio. An audience of approximately 240 students, teachers and parents attended. Four television stations including NHK (Japan Broadcasting Corporation) and five newspapers covered the contact.

2. Change Made to Spaceflight Participants

Japanese businessman and space visitor Dice-K Enomoto was expected to fly on the next Soyuz flight in September. He has experienced some medical issues and will not be able to participate. His backup, Iranian American businesswoman Anousheh Ansari, will take his place. The ARISS team is making arrangements for her training and school contacts. News of the switch may be found in the following articles:

"American Businesswoman Could Step In as Next Civilian Space Traveler" http://www.arrl.org/news/stories/2006/08/21/100/?nc=1

"Space Adventures' Client, Anousheh Ansari, Prepared to Take Flight" http://www.spaceadventures.com/media/releases/2006-08/424

3. ARRL Articles on SSTV Testing, SuitSat-1 and Upcoming Atlantis Flight

ARRL covered the Slow Scan Television (SSTV) testing that has been carried out on the ISS in an article, "ISS Crew, ARISS Team Troubleshooting Slow-Scan TV System." See: http://www.arrl.org/news/stories/2006/08/22/2/?nc=1

SuitSat-1 was deployed on February 3, 2006. It is expected to reenter the earth's atmosphere in the very near future. See: http://www.arrl.org/news/stories/2006/08/24/1/?nc=1

ARRL posted a short story on the upcoming shuttle flight entitled "Two radio amateurs to be aboard shuttle Atlantis." See: http://www.arrl.org/?artid=6709

4. ARRL Article on Australian Contact

On August 18, Australian Reece and Devonport High School students experienced an ARISS contact. ARRL's article, "Astronaut, Tasmanian Students Work Through ISS Ham Radio Contact Glitches," may be found at: http://www.arrl.org/news/stories/2006/08/24/2/?nc=1

5. ARRL Magazine QST Articles

Several ARISS related articles were published in the September issue of QST. The first is an article by ARRL writer Rick Lindquist, N1RL, about Thomas Reiter, DF4TR, (with his picture) being delivered to the ISS as a new crew member. It is titled "Shuttle Drops off New ISS Ham Radio Crew Member." There is another story by Lindquist which covers Bill McArthur earning the Worked All States (WAS) award and inspiring students to pursue science, space and radio. It includes a picture of ARISS Chairman

Frank Bauer awarding a special WAS plaque to McArthur and is entitled, "Astronaut Honored for WAS, Inspiring Others from Space." A column written by ARRL's Steve Ford, WB8IMY, is entitled "APRS and the ISS" and talks about how to try APRS (Automatic Position Reporting System) with the ISS, and how this activity is educational and entertaining.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

323. WSR-247 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-09-06 14:04:41 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <ZzALg.3913$v%4.401@newsread1.news.pas.earthlink.net>
Source record: 1529

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-247.S1
WSR 247 Part 1 09/04/2006

AMSAT NEWS SERVICE BULLETIN 247.S1 FROM AMSAT HQ
SILVER SPRING, MD, September 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-247.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U High Power
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09042006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-247.S2
WSR 247 Part 2 09/04/2006

AMSAT NEWS SERVICE BULLETIN 247.S2 FROM AMSAT HQ
SILVER SPRING, MD, September, 2006
TO ALL RADIO AMATEURS
BID: $ANS-247.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U High Power
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM

145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital
Official Webpage: http://www.amsat.org/amsat-new/echo/
[09042006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP

PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Operational
Current Mode: Voice Response to Packet Digis
CW/PSK Repeater

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[08282006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: TESTING OF SSTV
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3

Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the crew is in the process of testing the SSTV equipment so
ANY
activity may not be what will be heard on the next pass right now. IT
ALL
DEPENDS ON THE TIME AVAILABLE TO THE CREW TO DO MORE IMPORTANT ITEMS.
PLEASE
MAINTAIN READING THE AMSAT-BB AND ANS SERVICES FOR MORE CURRENT INFO.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[08142006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-247.S3
WSR 247 Part 3 09/04/2006

AMSAT NEWS SERVICE BULLETIN 247.S3 FROM AMSAT HQ
SILVER SPRING, MD, September 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-247.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129

Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437

Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323

24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
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SB SAT @ AMSAT W8ISS $ANS-247.S4
WSR 247 Part 4 09/04/2006

AMSAT NEWS SERVICE BULLETIN 247.S4 FROM AMSAT HQ
SILVER SPRING, MD, September 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-247.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
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324. Radio Meteor Obs. Bull. August 2006 Perseids

Newsgroup: rec.radio.amateur.space
Date: 2006-09-09 14:28:01 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <jqj5g2djg3oav3d5ak6g89pgnr1ie5h0g4@4ax.com>
Source record: 1530
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 157 of August 2006 (76K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0608.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

325. Nasa administrators were asked what a Canadian was doing on the shuttle crew.

Newsgroup: rec.radio.amateur.space
Date: 2006-09-09 22:19:28 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <Q5HMg.5606$v%4.644@newsread1.news.pas.earthlink.net>
Source record: 1531

Entertainment.

Sc

326. ANS-253 AMSAT News Service Weekly Bulletin

Newsgroup: rec.radio.amateur.space
Date: 2006-09-14 23:31:54 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <KDlOg.7760$v%4.2442@newsread1.news.pas.earthlink.net>
Source record: 1532

AMSAT NEWS SERVICE
ANS-253

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

****

In this edition:
* Mentor Graphics Makes Generous Donation
* AMSAT Ballots due 9/15/06
* 2006 AMSAT Symposium
* AO-51 PL Needed
* Suit-Sat Re-enters
* ARISS STATUS

SB SAT @ AMSAT $ANS-253.01
Mentor Graphics Makes Generous Software Donation

AMSAT News Service Bulletin 253.01
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.01

AMSAT is very pleased to annouced an extremely generous donation of software tools from Mentor Graphics. Mentor Graphics has donated 20 licenses for entire suites of software with a total value in the hundreds of thousands of dollars! The software will used for the design, simulation, verification and test of circuits and multi-layer

printed circuit boards for both the Eagle spacecraft as well as development of the User ground station for the digitial transponder.

This software will be a great benefit to the Eagle and HPSDR team members working to develop the hardware that will make Eagle space and ground systems a reality.

AMSAT thanks Mentor Graphics for their most generous donation.

[ANS thanks Rick, W2GPS, for the above information]

/EX

SB SAT @ AMSAT $ANS-253.02
All AMSAT Ballots Due by Friday, 9/15/06

AMSAT News Service Bulletin 253.02
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.02

Note to All AMSAT Members. Please make your vote count and get them mailed to AMSAT HQ by Friday, 9/15/06. Exercise your right to select your leadership and steer the group in the direction you feel is the proper course. Drop it in the mail now!
Background on all the candidates can be found on the AMSAT web site to help your decisions.

[ANS thanks Martha for the above information]

/EX

SB SAT @ AMSAT $ANS-253.03
2006 AMSAT Symposium

AMSAT News Service Bulletin 253.03
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.03

The annual Symposium is now about a month away. You can still sign up to attend this exciting event being held in San Francisco, CA. Meet all the leadeship and enjoy the classic talks given by superb speakers. Mingle with those that make satellites a reality-yes, real rocket scientists.
All the information you need to join in this event are on the website. Stop by and read how to attend and see the great lineup of speakers and demonstrations that make this event unique.

[ANS thanks Emily, N1DID, for the above information]

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SB SAT @ AMSAT $ANS-253.04
AO-51 PL Needed

AMSAT News Service Bulletin 253.04
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.04

Remember that you need a PL of 67 Hz to access AO-51 in mode J-FM
(except in QRP mode).

Please, especially if you haven't worked a given satellite in mode
J-FM before, make sure you can hear well enough copy callsigns before
transmitting. There might be occasions on SO-50 when you're the only
one on, but over the 'States, this is rather rare on AO-51, especially
in high power mode.

We're having problems with dead carriers on AO-51 this week, where
sometimes even the regulars with good antenna setups can't get in due
to interference from stations without PL. Please listen first and use
the correct PL.

73's and good luck!

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 MHz FM, No PL Tone
Downlink: 2401.200 MHz FM

[ANS thanks KD6PAG, for the above information]

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SB SAT @ AMSAT $ANS-253.05
Suitsat Re-enters

AMSAT News Service Bulletin 253.05
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.05

All,

On September 7, 2006 at 16:00 GMT, SuitSat-1 re-entered about 1400 km
south-southwest of Western Australia. For more details, including the
winners of the Chicken Little Contest, please go to:

http://www.amsat.org/amsat-new/ariss/suitsatContest.php

I want to thank all who made SuitSat-1 the phenomenal event that it
was. Your hard work and dedication paid off.

In just 3 weeks the SuitSat team developed and delivered a safe satellite
system that has gained the confidence of the international space
agencies. The web and PR team were able to garner unprecedented press

coverage of our ham/educational outreach activity, including over 9 million hits on www.suitsat.org in February. Students around the world had the opportunity to participate in a 7 month "school spacewalk" with the artwork, pictures, signatures and voices on-board. And the "super-sleuth" ham radio operator extraordinaires were able to pull a significant amount of data from the satellite despite of its low signal strength.

And my congratulations to the students and adults who won the Chicken Little contest!!

Next for SuitSat-1--the commemorative certificates/diplomas. And at the AMSAT-NA symposium/ARISS meeting we will discuss our thoughts and plans for a potential SuitSat-2.

Stay tuned!

73, Frank H. Bauer, KA3HDO
AMSAT V.P. for Human Spaceflight Programs
ARISS International Chairman

[ANS Thanks Frank Bauer, KA3HDO, for the above information]

/EX

SB SAT @ AMSAT $ANS-253.06
ARISS STATUS

AMSAT News Service Bulletin 253.06
From AMSAT HQ SILVER SPRING, MD.
September 10, 2006
To All RADIO AMATEURS
BID: $ANS-253.06

ARISS Status
September 4, 2006

1. Tennessee School Contact Successful

On Monday, August 28, students from Northeast Middle School in Clarksville, Tennessee had the opportunity to speak with the ISS. Jeff Williams, KD5TVQ, answered 19 questions asked by ten children via the telebridge station VK4KHZ in Australia. Jeff Williams' niece was one of the children selected to participate in the session. A local paper covered the contact. Twenty-one connections, including 3 repeater nodes, from 7 countries were made to the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers. Audio was also fed into the IRLP Discovery Reflector 9010, and was webcast courtesy of Verizon Conferencing. The Leaf-Chronicle wrote a story on the event entitled, "Students make long-distance call to astronaut in outer space." See:
http://www.theleafchronicle.com/apps/pbcs.dll/article?AID=/20060829/NEWS01/608290319&SearchID=73255668465433

2. ARRL Article on Japanese Contact

ARRL covered the Sendai Yoshinari School contact in its article, "Junior High Schoolers in Japan Speak with Astronaut via Ham Radio." See: http://www.arrl.org/news/stories/2006/09/01/3/?nc=1

3. School Contact Mentioned on Space.ref

The Space.ref website has a brief entry on the Teven Tintenbar School in Australia. See paragraph 19 on: http://www.spaceref.com/news/viewsr.html?pid=21694

4. Options to Speak with Friends, Family from Space Include Ham Radio

The Canadian Space Agency web site describes the options available to the ISS crew members for contacting friends and family on Earth. Ham radio is one of the options mentioned. See: http://www.space.gc.ca/asc/eng/astronauts/living_relaxing.asp

5. ARISS TIM Held

The ARISS team held a Technical Interchange Meeting August 28 -31 at Goddard Space Flight Center. ARISS Delegate Sergey Samburov was able to attend the discussions which covered ARISS hardware and software, SuitSat-2 design and development, and school operations.

[ANS thanks Carol, KB3LKI, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

327. WSR-254 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-09-14 23:31:57 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <NDlOg.7761$v%4.6888@newsread1.news.pas.earthlink.net>
Source record: 1533

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-254.S1
WSR 254 Part 1 09/11/2006

AMSAT NEWS SERVICE BULLETIN 254.S1 FROM AMSAT HQ
SILVER SPRING, MD, September 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-254.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
--------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - L/S
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09112006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the Space Shuttle Atlantis is docked to the International
Space
Station. Activity may be curtailed depending on Extravehicular activity.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09112006]
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SB SAT @ AMSAT W8ISS $ANS-254.S2
WSR 254 Part 2 09/11/2006

AMSAT NEWS SERVICE BULLETIN 254.S2 FROM AMSAT HQ
SILVER SPRING, MD, September 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-254.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - L/S
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol

1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital
Official Webpage: http://www.amsat.org/amsat-new/echo/
[09112006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]

=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: Voice Response to Packet Digis
CW/PSK Repeater

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09112006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

The current crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 144.490 MHz FM
145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: http://www.rac.ca/ariss
Official Fan club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, the Space Shuttle Atlantis is docked to the International
Space
Station. Activity may be curtailed depending on Extravehicular activity.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09112006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-254.S3
WSR 254 Part 3 09/11/2006

AMSAT NEWS SERVICE BULLETIN 254.S3 FROM AMSAT HQ
SILVER SPRING, MD, September 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-254.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]

=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-254.S4
WSR 254 Part 4 09/11/2006

AMSAT NEWS SERVICE BULLETIN 254.S4 FROM AMSAT HQ
SILVER SPRING, MD, September 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-254.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

328. How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-17 10:53:35 UTC
From: Thierry
Message-ID: <450d2930$1@news.vo.lu>
Source record: 1534
Cross-posted to: rec.radio.amateur.space,sci.space.station

Hi,

I live in Europe. I 'd like to know if it could be possible to receive video signal from ISS (the one usually sent to Houston) when it crosses the sky over europe and display the pictures on a normal TV (not via NASA TV).

Could it be possible to pick up the signal with a normal satellite dish (and of what diameter) and on which frequencies ?
In addition, could the signal be encrypted to prevent any reading ?

I haven't found any information about that on the net but I could imagine that we you are able to pick up radio communication from ISS and NASA can receive their video, it could be also possible to receive the video aswell (in the same way at weather imags).

Thanks for your lights

Thierry

329. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-17 14:57:59 UTC
From: "l.c. smith" <lcs@adelphia.net>
Message-ID: <45ednbGPobPl_5DYnZ2dnUVZ_oWdnZ2d@adelphia.com>
Source record: 1535
Cross-posted to: rec.radio.amateur.space,sci.space.station

ISS video is not beamed to the ground, but to TDRSS satellites in geosync orbit which then relay it to several ground terminals (one is in New Mexico). That video is digitally encoded and interleaved with non-video data so even if you pointed your dish at the TDRSS satellite you would still have to decode it. I don't know if the TDRSS downlink is encrypted. The re-uplinked video from the ground terminals is LEITCH encrypted.

<Thierry> wrote in message news:450d2930$1@news.vo.lu...
> Hi,
>
> I live in Europe. I 'd like to know if it could be possible to receive
> video signal from ISS (the one usually sent to Houston) when it crosses
> the sky over europe and display the pictures on a normal TV (not via NASA
> TV).
>
> Could it be possible to pick up the signal with a normal satellite dish
> (and of what diameter) and on which frequencies ?
> In addition, could the signal be encrypted to prevent any reading ?
>
> I haven't found any information about that on the net but I could imagine
> that we you are able to pick up radio communication from ISS and NASA can
> receive their video, it could be also possible to receive the video aswell
> (in the same way at weather imags).
>
> Thanks for your lights
>
> Thierry
>

330. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-17 17:40:26 UTC
From: Johnny Borborigmi <growl@tummy.com>
Message-ID: <2006091713402675249%growl@tummycom>
Source record: 1536
Cross-posted to: rec.radio.amateur.space,sci.space.station

On 2006-09-17 06:53:35 -0400, <Thierry> said:

> Hi,
>
> I live in Europe. I 'd like to know if it could be possible to receive
> video signal from ISS (the one usually sent to Houston) when it crosses
> the sky over europe and display the pictures on a normal TV (not via
> NASA TV).
>
> Thierry
>

You can't. They go to a TDRS and I believe get encrypted.

331. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-17 19:51:48 UTC
From: joe <joe@confidential.com>
Message-ID: <450DA752.302573E5@confidential.com>
Source record: 1537
Cross-posted to: rec.radio.amateur.space,sci.space.station

hi thierry,

I know you wanted to d/l direct from the ISS, but here is link for video, audio and still photos from the nasa archive, searchable by mission, etc.

http://spaceflight.nasa.gov/gallery/

73 joe

332. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-18 11:50:51 UTC
From: Thierry
Message-ID: <450e8824@news.vo.lu>
Source record: 1538
Cross-posted to: rec.radio.amateur.space,sci.space.station

"Johnny Borborigmi" <growl@tummy.com> wrote in message
news:20060917134026752 49%growl@tummycom...
> On 2006-09-17 06:53:35 -0400, <Thierry> said:
>
>> Hi,
>>
>> I live in Europe. I 'd like to know if it could be possible to receive
>> video signal from ISS (the one usually sent to Houston) when it crosses
>> the sky over europe and display the pictures on a normal TV (not via NASA
>> TV).
>>
>> Thierry
>>
>
> You can't. They go to a TDRS and I believe get encrypted.

OK. Undertood.
In theory, as ISS is quite low on orbit, and if the TDRS linked satellite is
over my country (data easy to get using a software lik Thesky or any other
tracking software la Prbitron), using a large parabolic antenna or even a
dipole, it shouldn't be possible to get the signal ?
Or I could as any other signal (at the condition to knwo its frequency) but
I could simply not read it due to a possible encryption.

In fact i don't udnerstand why I could at least receive it as I can receive
military and other "private" messages using a scanner or another V/UFH rig
for example.

Thanks in advance

Thierry

333. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-18 17:03:52 UTC
From: David <Noone@Nowhere.com>
Message-ID: <39ktg216lnvaplj6rfomnkg8kdm0vaj2h9@4ax.com>
Source record: 1539

On Sun, 17 Sep 2006 12:53:35 +0200, <Thierry> wrote:

>Hi,
>
>I live in Europe. I 'd like to know if it could be possible to receive video
>signal from ISS (the one usually sent to Houston) when it crosses the sky
>over europe and display the pictures on a normal TV (not via NASA TV).
>
>Could it be possible to pick up the signal with a normal satellite dish (and
>of what diameter) and on which frequencies ?
>In addition, could the signal be encrypted to prevent any reading ?
>
>I haven't found any information about that on the net but I could imagine
>that we you are able to pick up radio communication from ISS and NASA can
>receive their video, it could be also possible to receive the video aswell
>(in the same way at weather imags).
>
>Thanks for your lights
>
>Thierry
>
The ISS broadcasts SSTV on 145.8 MHz

334. Is that really a photo of Markie with rabbit ears on his head?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-18 23:50:30 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <ahGPg.9336$v%4.1665@newsread1.news.pas.earthlink.net>
Source record: 1540
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

What a loon.

SC

335. slow code stalker at large

Newsgroup: rec.radio.amateur.space
Date: 2006-09-19 00:56:23 UTC
From: "kb9rqz-2@hotmail.com" <kb9rqz-2@hotmail.com>
Message-ID: <1158627383.514716.16190@h48g2000cwc.googlegroups.com>
Source record: 1541
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

```
Slow Code wrote:
>
slow code stalker at large
```

336. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-19 01:02:20 UTC
From: Frank Glover <starr176@rochester.rr.com>
Message-ID: <wkHPg.43874$xV.43120@twister.nyroc.rr.com>
Source record: 1542
Cross-posted to: rec.radio.amateur.space,sci.space.station

nmp wrote:

> Op Mon, 18 Sep 2006 13:50:51 +0200, schreef Thierry:
>
>
>>"Johnny Borborigmi" <growl@tummy.com> wrote in message
>>news:2006091713402675249%growl@tummycom...
>>
>>>On 2006-09-17 06:53:35 -0400, <Thierry> said:
>>>
>>>
>>>>Hi,
>>>>
>>>>I live in Europe. I 'd like to know if it could be possible to receive
>>>>video signal from ISS (the one usually sent to Houston) when it
>>>>crosses the sky over europe and display the pictures on a normal TV
>>>>(not via NASA TV).
>>>>
>>>
>>>You can't. They go to a TDRS and I believe get encrypted.
>>
>>OK. Undertood.
>>In theory, as ISS is quite low on orbit, and if the TDRS linked
>>satellite is over my country (data easy to get using a software lik
>>Thesky or any other tracking software ï¿½ la Prbitron), using a large
>>parabolic antenna or even a dipole, it shouldn't be possible to get the
>>signal ?
>
>
> From the replies in this thread I understand that you may be able to
> receive the signal, but you would not be able to decode it to get
> somehting useful out of it.

These sites may not answer the specific question, but will give a
sense of what's involved:

http://www.hearsat.org/

http://www.uhf-satcom.com/

http://www.hobbyspace.com/Radio/index.html

--

Frank

You know what to remove to reply...

Check out my web page: http://www.geocities.com/stardolphin1/link2.htm

"To confine our attention to terrestrial matters would be to limit the
human spirit."
- Stephen Hawking

337. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-09-20 03:35:37 UTC
From: henry@spsystems.net
Message-ID: <J5vGnD.CF@spsystems.net>
Source record: 1543
Cross-posted to: rec.radio.amateur.space,sci.space.station

In article <450e8824@news.vo.lu>, <Thierry> wrote:
>> You can't. They go to a TDRS and I believe get encrypted.
>
>In theory, as ISS is quite low on orbit, and if the TDRS linked satellite is
>over my country (data easy to get using a software lik Thesky or any other
>tracking software la Prbitron), using a large parabolic antenna or even a
>dipole, it shouldn't be possible to get the signal ?

Remember, these signals are not being broadcast -- they are beamed upward to TDRS (in geostationary orbit), at microwave frequencies where even modest-sized antennas are quite directional. Similarly, TDRS is not broadcasting them -- it beams them downward to the TDRS ground station at White Sands. Even when ISS is nearby, you're nowhere near either beam, so any signal leakage would be very weak.

With a large dish antenna you could probably detect the carrier, but demodulating it would be quite a challenge with such a weak signal.

And once you do demodulate it, what you've got is not a video signal, but a fast digital bit stream. Some of the bits are compressed video; some aren't. The format is certainly complex, almost certainly a custom design rather than anything standard (remember that it is 15-20 years old -- ISS development started a long time ago), and probably poorly documented.

Finally, as others have mentioned, it's quite likely to be encrypted.
--
spsystems.net is temporarily off the air; | Henry Spencer
mail to henry at zoo.utoronto.ca instead. | henry@spsystems.net

338. ANS-260 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-09-21 17:48:49 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <5gAQg.10537$v%4.2862@newsread1.news.pas.earthlink.net>
Source record: 1544

AMSAT NEWS SERVICE
ANS-260

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

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In this edition:

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* Space Traveler to Try QSOs From ISS
* AMSAT Symposium Pre-Registration Extended to September 24
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* AMSAT Member Wins QST Cover Plaque Award
* AMSAT-UK Welcomes Foundation Satellite Access
* ARISS Status for the Week of September 11, 2006
* French Amateurs Bounce Laser Signals Off a Rain Cloud

SB SAT @ AMSAT $ANS-260.01
Results of AMSAT 2006 BoD Election

AMSAT News Service Bulletin 260.01
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.01

The results of the 2006 AMSAT Election:

Tom Clark, K3IO - 800 votes- Director
Lou McFadin, W5DID - 652 votes- Director
Bob McGwier, N4HY - 647 votes- Director
Lee McLamb, KU4OS- 321 votes - First Alternate
Paul Shuch, N6TX - 312 votes- Second Alternate

Please note Directors serve a two year term. The total number of votes cast was 937.

Martha Saragovitz
AMSAT Manager

[ANS thanks Martha at AMSAT Headquarters for the above information]

/EX

SB SAT @ AMSAT $ANS-260.02
Space Traveler to Try QSOs From ISS

AMSAT News Service Bulletin 260.02
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.02

US businesswoman Anousheh Ansari, will travel to the ISS on September 18 as part of the Russian Soyuz "taxi mission," and hopes to try ham QSOs from space. Ansari had decided originally not to do ham contacts after realizing her heavy schedule didn't allow her to study for her ham exam.

She was scheduled to fly in 2007, but when Daisuke Enomoto was grounded due to medical issues, her ETA was moved up. Ansari was trained on the ISS radios by the Russian ARISS Team quite a few months ago.

Now, she has decided to go for a potential QSO with students at George Washington University, her alma mater, on September 22. "The ARISS AMSAT Washington DC Team was asked just recently to support this QSO, and have done an outstanding job pulling everything together quickly," says ARRL ARISS Program Manager Rosalie White, K1STO.

"Mark Steiner, K3MS, is leading the effort. In addition, Anoushe hopes to talk with US-licensed school children, and take advantage of the astronauts as her Control Operator. She will be listening at various times on Thursday, September 21, through Tuesday, September 26, using RS0ISS." Because of third-party issues, Ansari may only speak to youths who have ham licenses. She is the fourth private citizen and the first female civilian, to fly to the ISS.

[ANS thanks Rosalie White, K1STO for the above information]

/EX

SB SAT @ AMSAT $ANS-260.03
AMSAT Symposium Pre-Registration Extended to September 24

AMSAT News Service Bulletin 260.03
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.03

Since most (about 90%) of Symposium Registrations have been through the website the Symposium Committee has made a decision to extend pre-registration at the $45 rate through the 24th of September. We were able to do this because the production cycle for badges, etc. is now automated and requires very little human intervention except some minor paper handling!

So if you haven't signed up now is your chance to get in at the last minute without having to pay the additional fee! Registrations received after September 24 will cost $55.

Hotel registrations have filled the initial block of rooms at the Crowne Plaza Hotel that were set aside for Symposium attendees. The Symposium Committee worked with the hotel management and they are now happy to report that additional rooms have been added to the AMSAT block.

A glitch in the hotel's reservation system causes an occasional error when trying to book rooms at the special AMSAT rate. If you try to book your room through the central Crowne Plaza reservation system (toll free number) they may tell you the dates are unavailable. If this happens call the hotel directly (information on AMSAT web) and be sure to mention the AMS group code.

If you still have problems please send Emily Clarke (n1did@amsat.org) an email with your arrival and departure dates and she will arrange to speak with the hotel manager directly.

One thing that isn't available through the website is that we can upgrade to the Executive rooms. The rate for executive rooms increases from $109 per night to $129 per night. Call the hotel directly to take advantage of this offer.

Information about the Spouse Tours and Activities can be found online. See: http://www.amsat.org/amsat-new/symposium/2006GroupTours.php

The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

[ANS thanks the 2006 Symposium Committee for the above information]

/EX

SB SAT @ AMSAT $ANS-260.04
Call For AMSAT Journal Articles

AMSAT News Service Bulletin 260.04
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.04

Ed, WA4SWJ, the Editor of the AMSAT Journal issued a call for articles this week. Ed wrote, "Attention all you authors out there. I am calling for more articles for the Journal. I would like to have anything you would like to publish by September 22nd. Articles on many subjects about amateur satellites are interesting and are good subjects for the Journal.

Get your computers warmed up and fly those fingers over the keyboard and send me something! The e-mail address is journal@amsat.org.

[ANS thanks Ed, WA4SWJ, AMSAT Journal Editor for the above information]

/EX

SB SAT @ AMSAT $ANS-260.05
PCSAT-2 10 Meter Receiver Debugging

AMSAT News Service Bulletin 260.05
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.05

Bob, WB4APR reported some progress toward solving the mysterious lack of sensitivity on the PCSAT2 10 meter PSK-31 uplink. Two stations testing on the 10 meter uplink noticed as one of them drifted lower in frequency they could see PCSAT-2's PSK signal appear on the MIXW waterfall display. PCSAT-2's 10 meter receiver may have shifted around 3.6 KHz lower than originally configured.

PCSAT-2 was retrieved from its position outside of the ISS during a space walk this week. It will be returned to Earth for further analysis.

[ANS thanks Bob, WB4APR, and the US Naval Academy Satellite Station for the above information]

/EX

SB SAT @ AMSAT $ANS-260.06
AMSAT Member Wins QST Cover Plaque Award

AMSAT News Service Bulletin 260.06
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.06

Congratulations are in order for AMSAT member Al Bloom, N1AL, winner of the August, 2006 QST Cover Plaque Award for his article "VHF/UHF Mobile Propagation." The QST Cover Plaque award is given to the author or authors of the best article in each issue which is determined by a vote of ARRL members. Al is also a member of the Eagle Sensor Team for AMSAT.

See: http://www.arrl.org/?artid=6767

[ANS thanks the ARRL for the above information]

/EX

SB SAT @ AMSAT $ANS-260.07
AMSAT-UK Welcomes Foundation Satellite Access

AMSAT News Service Bulletin 260.07
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.07

The changes to the UK Amateur License mean Foundation holders now have access to the Amateur Satellite Service. They will be able to work through the many Amateur Satellites as well use the Voice and Packet repeaters on the International Space Station (ISS).

AMSAT-UK is delighted that the new license will allow full satellite access to Foundation holders. This will enable these enthusiastic operators to experience the thrills and challenges of space communications.

Every year AMSAT-UK runs a Satellite Beginners Workshop to teach newcomers how to operate through the satellites. Now that Foundation holders have this valuable new privilege AMSAT-UK can look forward to record numbers attending the next workshop.

[ANS thanks AMSAT-UK for the above information]

/EX

SB SAT @ AMSAT $ANS-260.08
ARISS Status for the Week of September 11, 2006

AMSAT News Service Bulletin 260.08
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.08

1. Upcoming School Contacts

Scheduling of ARISS contacts continues for the Expedition 13 and 14 crews. Due to shuttle activities, no specific information is available at this time.

2. SuitSat-1 Re-enters Atmosphere

SuitSat-1, a surplus Russian Orlan spacesuit equipped with amateur radio, was deployed from the ISS on February 3 of this year. On September 7, 2006 at 16:00 GMT, SuitSat-1 re-entered the Earth's atmosphere approximately 1400 km south-southwest of Western Australia. For more details, including the winners of the Chicken Little Contest, please go to: http://www.amsat.org/amsat-new/ariss/suitsatContest.php

3. ARRL Article on Tennessee School Contact

ARRL covered the Northeast Middle School contact in the article, "Astronaut's Kin among Middle Schoolers for Space Contact via Ham Radio." See: http://www.arrl.org/news/stories/2006/09/08/100/?nc=1

4. ARISS International Meeting, October 9-10

The ARISS International face to face meeting will take place next month in conjunction with the AMSAT-NA Annual Board Meeting and Space Symposium in San Francisco. The AMSAT meetings begin on October 5 and the ARISS International meeting will be held on Oct 9-10.

5. Astronaut Training Status

Educator Astronaut Barbara Morgan has been scheduled for a training session with Kenneth Ransom at JSC on Wednesday, September 13. Topics covered will include school contacts and radio operations.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-260.09
French Amateurs Bounce Laser Signals Off a Rain Cloud

AMSAT News Service Bulletin 260.09
>From AMSAT HQ SILVER SPRING, MD.
September 17, 2006
To All RADIO AMATEURS
BID: $ANS-260.09

Two French radio amateurs have made a successful one way contact over a distance of 40 km scattering laser signals from rain clouds.

The flash pulses were at times 12 dB above the noise at 40 km which seem to indicate that under the right conditions a distance of 150 km could be covered.

Laser communication systems are wireless connections through the atmosphere.

They work similarly to fibre optic links, except that the beam is transmitted through free space. While generally speaking the transmitter and receiver must require line-of-sight conditions, they have the benefit of eliminating the need for broadcast rights and buried cables. Laser communication systems can be easily deployed since they are inexpensive, small, low power and do not require any radio interference studies. The carrier used for the transmission

signal is typically generated by a laser diode. Two parallel beams are needed, one for transmission and one for reception.

Laser communication have been a hot topic lately, as solutions for how to satisfy ever increasing bandwidth needs are in high demand. Some have suggested that bandwidth could be distributed in neighbourhoods by putting laser communication systems on top of homes and pointing them towards a common transceiver with a fast link to the Internet. With possible transmit speeds of up to a gigabit per second, this is an exciting area.

The French team proved that laser signals can be scattered from clouds thus proving that the notion that laser communication can only be line of sight is wrong.

[ANS thanks Amateur Radio Newsline Report #1518 for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

339. WSR-261 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-09-21 17:48:52 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <8gAQg.10538$v%4.2368@newsread1.news.pas.earthlink.net>
Source record: 1545

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-261.S1
WSR 261 Part 1 09/18/2006

AMSAT NEWS SERVICE BULLETIN 261.S1 FROM AMSAT HQ
SILVER SPRING, MD, September 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-261.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Testing
Current Mode(s): FM Repeater - V/U - TONE
PBBS - V/U - 9K6
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09182006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

The Expedition 13 crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Exedition 14 crew, which is currently enroute, is:
Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT
Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]

NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-261.S2
WSR 261 Part 2 09/18/2006

AMSAT NEWS SERVICE BULLETIN 261.S2 FROM AMSAT HQ
SILVER SPRING, MD, September 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-261.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[03122006]
=====
CO-55 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Operational

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)
Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[05012006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U - TONE
PBBS - V/U - 9k6
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB

145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital
Official Webpage: http://www.amsat.org/amsat-new/echo/
[09182006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[04172006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP

PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: Voice Response to Packet Digis
CW/PSK Repeater

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09112006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

Expedition Crew 13 is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Exedition 14 crew, which is currently enroute, is:
Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT
Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS

Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-261.S3
WSR 261 Part 3 09/18/2006

AMSAT NEWS SERVICE BULLETIN 261.S3 FROM AMSAT HQ
SILVER SPRING, MD, September 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-261.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Non-operational
Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[05012006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950

Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html.
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129

Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437

Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323

24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-261.S4
WSR 261 Part 4 09/18/2006

AMSAT NEWS SERVICE BULLETIN 261.S4 FROM AMSAT HQ
SILVER SPRING, MD, September 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-261.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

340. ANS-267 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-09-27 16:40:42 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <eQxSg.13394$v%4.10153@newsread1.news.pas.earthlink.net>
Source record: 1546

AMSAT NEWS SERVICE
ANS-267

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

********** AMSAT 2006 Space Symposium **********

Online registration and hotel reservation for the 2006 AMSAT Space Symposium has been posted to the AMSAT website, and information about the Symposium has been expanded. The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

****

In this edition:

* HITSAT - New Amateur Radio Cubesat in Orbit
* AMSAT President's Club News
* AMSAT-UK Chief Discusses PoSAT End-of-Life Issues
* Microwave Update Conference 2006
* ARISS Operations Update
* SSETI GTO Satellite Project Report
* AO-51 QRP Repeater to be Activated for JOTA
* 2006 AMSAT Space Symposium Registration
* Hawaii Activation on FM Satellites

SB SAT @ AMSAT $ANS-267.01
HITSAT - New Amateur Radio Cubesat in Orbit

AMSAT News Service Bulletin 267.01
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.01

HITSAT, a new amateur radio cubesat, was successfully launched from Japan on September 22. HITSAT was developed by the Hokkaido Cubsat

Development Ham club at the Hokkaido Institute of Technology under the guidance of Assistant Professor Mitsuhashi Ryuichi. It rode to orbit as a secondary payload aboard a Japanese Space Agency launch of the Japanese Solar-B mission.

Satellite Call Sign JR8YJT
CW telemetry down-link 437.275MHz
1200 baud FM packet down-link 437.425MHz

HITSAT transmits its CW telemetry data every 40 seconds. Refer to http://www.hit.ac.jp/~satori/gs/e/hitsatgs.html for a detailed description of the telemetry format.

After launch reception reports began to arrive from amateur radio operators around the world. Pass predictions using the keplerian elements from Space-Track.org have been narrowed down to Object A or Object D, with Object D seeming to be the more accurate at press time.

An excellent resource for HITSAT and other CubeSat information can be found at: http://showcase.netins.net/web/wallio/CubeSat.htm.

[ANS thanks the HITSAT team and observant amateur radio operators around the world for the above information]

/EX

SB SAT @ AMSAT $ANS-267.02
AMSAT President's Club News

AMSAT News Service Bulletin 267.02
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.02

Past President Robin Haighton, VE3FRH, has been continuing his support of AMSAT by leading the organizational efforts for the President's Club. Robin has requested that President's Club members send him their email addresses so that he can better keep in touch with them.

In response, Robin received the following from President's Club member Jim Jerzycke, KQ6EA, who recently upgraded to "silver" level of membership. Jim writes, "I upgraded to "silver" this year. It's my way of paying back AMSAT for not only the enjoyment I get from this aspect of Amateur Radio, but also the knowledge I gained which helped my career immensely." Jim explains, "I never would have been employed by DirecTV, and now Sea Launch, without the *practical* knowledge of satellite operations I gained by being an AMSAT member."

Members of the President's Club, as sustaining donors to AMSAT project funds, are also eligible to receive additional benefits. You too can join the President's Club either through the website at http://www.amsat.org/amsat-new/membership/presclub.php or by

calling Martha at the AMSAT office, 1-888-322-6728.

[ANS thanks Robin, VE3FRH, for the above information]

/EX

SB SAT @ AMSAT $ANS-267.03
AMSAT-UK Chief Discusses PoSAT End-of-Life Issues

AMSAT News Service Bulletin 267.03
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.03

Following the recent kind agreement of Cons&#65533;rcio SAT, the owners of PoSAT (PO28 or 1993-061D) which was launched on the Ariane V59 from Kourou on the 26th September 1993, work has been progressing at SSTL and the Surrey Space Centre to switch transponder frequencies to the amateur satellite service to serve as a voice FM transponder for use by all radio amateurs worldwide.

Unfortunately, recent investigations now indicate that the PoSAT on-board NiCd batteries are showing the effects of 12 years in orbit and the approximately 100,000 charge /discharge cycles to which they have subjected and are no longer holding sufficient charge to operate the downlinks. This may mean that, sadly after all, it will not be possible for the satellite to be made available for amateur use.

We fully understand the benefits that PO28 would offer radio amateurs and work is continuing at Surrey to see if there is any way to revive this 'old lady'. AMSAT-UK will provide updates when further informa-tion becomes available.

Martin Sweeting G3YJO
http://www.uk.amsat.org

[ANS thanks AMSAT-UK for the above information]

/EX

SB SAT @ AMSAT $ANS-267.04
Microwave Update Conference 2006

AMSAT News Service Bulletin 267.04
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.04

Gerd, WB8IFM from Dayton, Ohio writes, "There is only a little over a month left to the national Microwave Update Conference 2006. For the first time this yearly conference will be held* in Dayton,Ohio on the 19th to the 22nd of October.

Presentations are on Friday and Saturday (Oct 20 & 21) with a fleamarket which will be held on Friday night. A banquet on is scheduled for Saturday night with awards and drawings for prizes. There will be a spouse program also.

This is an excellent opportunity to learn about ham activity on the microwaves, loosely described from about 400 Mhz to light! We hope to attract many hams within driving distance of Dayton.

You have to the end of September to get the earlybird registration fee of $40. After October 1st the registration fee will go up by $5. If you pay at the door the cost will be $50. This fee includes a volume of the proceedings which has the presented papers plus others that are not being presented! AMSAT will be represented by Freddy, ON6UG.

For registration info and a more detailed plan go to:
http://www.microwaveupdate.org.

[ANS thanks Gerd, WB8IFM for the above information]

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SB SAT @ AMSAT $ANS-267.05
ARISS Operations Update

AMSAT News Service Bulletin 267.05
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.05

Kenneth Ransom, N5VHO ARISS Project Engineer reminds ISS radio fans to, "Please note, the amateur equipment on the ISS has not been functioning in the automatic modes properly and may be silent more than usual. Information about the next scheduled ARISS contact can be found at http://www.rac.ca/ariss/upcoming.htm#NextContact.

Random ISS voice activity expected the week of September 21-28. Space Station visitor Ansari has announced that she may be active on the Amateur Radio station on ISS. She is planning on a few pre-scheduled school links and some random contacts.

[ANS thanks ARISS for the above information]

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SB SAT @ AMSAT $ANS-267.06
SSETI GTO Satellite Project Report

AMSAT News Service Bulletin 267.06
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.06

This week Graham G3VZV reported that the SSETI GTO satellite project is still on track for a launch from Kourou in Nov 2008 with the planned AMSAT-UK U/S linear transponder is on the manifest.

This transponder is expected to support the following features:
+ Approximate 50kHz bandwidth
+ 10 watts of RF output
+ Selectable DSP/SDX and analogue signal paths
+ 400bps beacon

The satellite may not have good, long term, attitude control therefore the antennas are being designed to work well even if the satellite is tumbling. Although the link budget is not as good as AO40 was nor as P3E will be, circular polarisation of ground segment antennas will be needed.

Before we operate the system as an amateur transponder, it will be used as the initial main communications package for the reception of telecommands to, and for the transmission of telemetry and mission data from, the satellite - so it is quite important for the whole project.

The Preliminary Design Review will be completed during next month and an engineering model of the satellite should be under construction early next year. Hopefully this process will be visible using the same webcam system as we were able to engineer during the SSETI Express construction.

The website at http://www.sseti.net/ has lots of info about the SSETI program. Click on "missions" and ESEO for more details about their plans for their GTO satellite.

A full report on the SSETI Express launch last year, the SSETI ESEO project with the DSP transponder, and their SSETI ESMO (moon orbiter!) project will be provided at the upcoming AMSAT-NA Symposium.

[ANS thanks Graham, G3VZV for the above information]

/EX

SB SAT @ AMSAT $ANS-267.07
AO-51 QRP Repeater to be Activated for JOTA

AMSAT News Service Bulletin 267.07
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.07

The AO-51 Operations Group announced plans for AMSAT's support of the Jamboree on the Air event (JOTA) on the weekend of October 21st and 22nd. AO-51 will run in dual repeater mode with the 435.150 QRP repeater reserved for JOTA contacts on the weekend. Please yield the 435.150 repeater to JOTA contacts, especially between two JOTA stations. The normal AO-51 QRP rules apply: 10 watts to omni or handheld antennas only.

Visit the AO-51 schedule at:
http://www.amsat.org/amsat-new/echo/ControlTeam.php

[ANS thanks the AO-51 Operations Group for the above information]

/EX

SB SAT @ AMSAT $ANS-267.08
2006 AMSAT Space Symposium Registration

AMSAT News Service Bulletin 267.08
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.08

The 2006 AMSAT Space Symposium will be held October 6, 7 and 8 at the Crowne Plaza in Foster City, California in the beautiful San Francisco Bay Area.

There is still plenty of time to sign up for the 2006 AMSAT Space Symposium! Please note that registrations received after September 24 will cost $55.

Hotel registrations have filled the initial block of rooms at the Crowne Plaza Hotel that were set aside for Symposium attendees. The Symposium Committee worked with the hotel management and they are now happy to report that additional rooms have been added to the AMSAT block.

A glitch in the hotel's reservation system causes an occasional error when trying to book rooms at the special AMSAT rate. If you try to book your room through the central Crowne Plaza reservation system (toll free number) they may tell you the dates are unavailable. If this happens call the hotel directly (information on AMSAT web) and be sure to mention the AMS group code.

If you still have problems please send Emily Clarke (n1did@amsat.org) an email with your arrival and departure dates and she will arrange to speak with the hotel manager directly.

One thing that isn't available through the website is that we can upgrade to the Executive rooms. The rate for executive rooms increases from $109 per night to $129 per night. Call the hotel directly to take advantage of this offer.

Information about the Spouse Tours and Activities can be found online.
See: http://www.amsat.org/amsat-new/symposium/2006GroupTours.php

Please visit http://www.amsat.org/amsat-new/symposium for additional information and an index to the expanded Symposium web pages.

[ANS thanks the 2006 Symposium Committee for the above information]

/EX

SB SAT @ AMSAT $ANS-267.09
Hawaii Activation on FM Satellites

AMSAT News Service Bulletin 267.09
>From AMSAT HQ SILVER SPRING, MD.
September 24, 2006
To All RADIO AMATEURS
BID: $ANS-267.09

Ron, W6ZQ, and Rick, WH6FC will be active on SO-50 and AO-51 for the next week or two from Hawaii. They are on the big island now. Ron will be going to Maui next week for a week or two. Good hunting! Check those westerly passes!

[ANS thanks John, K6YK for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

341. WSR-268 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-09-27 16:40:47 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <jQxSg.13395$v%4.4369@newsread1.news.pas.earthlink.net>
Source record: 1547

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-268.S1
WSR 268 Part 1 09/25/2006

AMSAT NEWS SERVICE BULLETIN 268.S1 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-268.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Proposed frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacon : 145.859330 MHZ CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[04242006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - OFF
PBBS - V/U - 38k4 Digital
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital

Official Webpage: http://www.amsat.org/amsat-new/echo/
[09252006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The
order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

The Expedition 13 crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Exedition 14 crew, which is currently enroute, is:
Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT
Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]

NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-268.S2
WSR 268 Part 2 09/25/2006

AMSAT NEWS SERVICE BULLETIN 268.S2 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-268.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-56 CUTE-1.7
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - OFF
PBBS - V/U - 38k4
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM

145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Mode schedule for September 2006 according to the AO-51 command team:

September 4 to September 11
FM Repeater, V/U, High Power Mode
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM

September 11 to September 18
FM Repeater, L/S
Uplink: 1268.700 Mhz FM, No PL Tone
Downlink: 2401.200 Mhz FM

September 18 to September 24
"Normal" Mode
FM Repeater, V/U
Uplink: 145.920 Mhz FM, 67 hz PL Tone
Downlink: 435.300 Mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 9k6 PBP Digital

September 25 to October 2
38k4 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 Mhz FM, 9k6 PBP Digital
Downlink: 435.150 Mhz FM, 38k4 PBP Digital
Official Webpage: http://www.amsat.org/amsat-new/echo/
[09252006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP

PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

Expedition Crew 13 is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Exedition 14 crew, which is currently enroute, is:
Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT
Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS

Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-268.S3
WSR 268 Part 3 09/25/2006

AMSAT NEWS SERVICE BULLETIN 268.S3 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-268.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10

Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3

Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480

Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB

L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1

Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]

NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-268.S4
WSR 268 Part 4 09/25/2006

AMSAT NEWS SERVICE BULLETIN 268.S4 FROM AMSAT HQ
SILVER SPRING, MD, September 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-268.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)

* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

342. Change of URL for Luxorion, http://www.astrosurf.com/luxorion/

Newsgroup: rec.radio.amateur.space
Date: 2006-10-03 14:45:25 UTC
From: Thierry
Message-ID: <45227780$1@news.vo.lu>
Source record: 1548
Cross-posted to: rec.radio.amateur.antenna,rec.radio.amateur.dx,rec.radio.amateur.space

Hi

My URL address changed

The new URL of LUXORION is now : http://www.astrosurf.com/luxorion/
(or .org as there will be an alias).

Sorry for the inconvenient but the change will be transparents for users

Regards,

Thierry, ON4SKY, LX4SKY
Luxorion

343. ANS-274 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 00:00:41 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <J0hVg.5528$Y24.2874@newsread4.news.pas.earthlink.net>
Source record: 1549

AMSAT NEWS SERVICE
ANS-274

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* AMSAT Symposium and Office Schedule
* PCSAT-1 Recovery
* PCSAT-1 Special Ops
* AMSAT Represented at NBC4 Connected Expo
* OSCAR 11 Report - 28 September 2006
* ARISS Status - 25 September 2006

SB SAT @ AMSAT $ANS-274.01
AMSAT Space Symposium and Office Schedule

AMSAT News Service Bulletin 274.01
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS
BID: $ANS-274.01

The annual AMSAT Space Symposium will be held this week at the Crowne Plaza Mid-Peninsula conventiently located close to San Francisco International Airport. It is roughly equidistant between the cities of San Francisco, San Jose and Oakland. AMSAT is excited that our 2006 Symposium Keynote speaker will be astronaut Bill McArthur KC5ACR, ISS Expedition 12 Mission Commander and Science Officer. Commander McArthur is well known to ham radio operators and during his six months aboard the ISS he became the most active radio amateur ever to serve aboard the ISS. Commander McArthur logged more than 1800 QSOs in space, including logging a Worked All States Award. His impressive track record also included a record 37 school contacts, Worked All Continents (including Antartica) and 130 DXCC entities. Commander McArthur will present his keynote address during the Symposium Banquet on Saturday October 7. To register for the Symposium and Banquet please visit the AMSAT Online Store. Complete Symposium details are available at:
http://www.amsat.org/amsat-new/symposium/

The AMSAT Office will be closed on Monday, October 2nd 2006. The office will reopen on Tuesday and then close again for the remainder of the week on Wednesday, October 4th while AMSAT Office Manager, Martha Saragovitz, travels to California for the AMSAT Board of Directors meeting on October 5-6 which proceeds the Space Symposium. The office will reopen on Monday, October 16th.

[ANS thanks Emily, N1DID, and Martha for the above information]

/EX

SB SAT @ AMSAT $ANS-274.02
PCSAT-1 Recovery

AMSAT News Service Bulletin 274.02
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS
BID: $ANS-274.02

PCSAT-1 has been recovered as it entered better sun angles.

PCSAT-1 should remain NORMAL OPS for the next few weeks until it experiences an overload and resets. Then it will be lost until December. All users are asked to please adhere to these fundamental principles:

1) No connections to or through PCSAT-1
2) UI digipeating and APRS packets only about a 1 minute rate
3) Watch pcsat.aprs.org for live activity
4) Use the path of VIA PCSAT-1 or VIA ARISS
5) Minimize all packets after dark!

Enjoy PCSAT-1 and APRS! Make contacts, QSO, enjoy!

Just remember that ACKS are pretty useless and only add QRM to the channel. So do not expect ACKS via the satellite. If you see your outgoing packet digipeated by PCSAT-1 a few times then you should ASSUME that the other person got it and delete it yourself. By the same token, if someone sends you a message, then ANSWER him in kind, so that he knows you got it.

[ANS thanks Bob, WB4APR, for the above information]

/EX

SB SAT @ AMSAT $ANS-274.03
PCSAT-1 Special Ops

AMSAT News Service Bulletin 274.03
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS
BID: $ANS-274.03

Bob Bruinga, WB4APR, with the US Naval Academy Satellite Lab provided the following update on PCSAT-1 special operations.

We now welcome routine trackers and unattended beacons so that we can build up statistics on channel loading and the channel capacity of PCSAT-1 and it's follow-on spacecraft. We do want everyone to include basic info in their packet though. Please include PWR,Antenna Gain, and RATE. Such as "5W,3dbi,5min" so that the statistics will show us what works...

PCSAT-1 works like any APRS digipeater so the only thing you have to do, to work the satellite is to change your APRS (or packet station) channel to 145.825 instead of its normal frequency. When you get to work, QSY to 145.825 during the day, and when you get home. Its nice to look at your mobile radio and see who else you captured after work or overnight.

For unattended, set your beacon rate to once ever 5 minutes. If attended and monitoring the channel, you can use 2 minutes. You can see if you got in on http://pcsat.aprs.org . Watching the capacity of PCSAT-1 to carry these data will be usefull for gauging the success of our next satellite, ParkinsonSAT. See http://www.ew.usna.edu/~bruninga/buoy.html

PCSAT-1 responds to most common digipeating callsigns (below) so that no one should have to change anything when going between terrestrial or ISS operation to PCSAT-1, other than their frequency.

- PCSAT-1
- RELAY
- WIDE
- WIDEn-N
- ARISS
- TRACEn-N

We saw 22 people yesterday on the East Coast and the web page above, is showing about 70 in the last 2 days. PCSAT-1 should be able to handle 100 or so per footprint PER PASS! So lets get the number of users up for the next 2 weeks of useful PCSAT-1 life.

See web page PCSAT.APRS.ORG or Google for PCSAT.

[ANS thanks Bob, WB4APR, for the above information]

/EX

SB SAT @ AMSAT $ANS-274.04
AMSAT Represented at NBC4 Connected Expo

AMSAT News Service Bulletin 274.04
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS
BID: $ANS-274.04

Amateur Radio and Amsat were represented at the 6th annual "NBC4 Connected Expo" in downtown Washington DC on September 16 and 17. This event is sponsored by local television station WRC channel 4 in Washington and hosted by their on-air technology reporter I.J. Hudson, K9ICF.

25,000 people attended the event over the two days that it was open. The ham radio exhibit was located just around the corner from a robotics demonstration that drew a large number of technically inclined young people.

The general public really has little idea what ham radio is all about and often confuses hams with CB operators or thinks of hams as old men who tap out messages in morse code on vacuum tube radios. Many believe that ham radio is no longer useful or relevant in the age of cellular telephones and the internet. Comments that were heard during the weekend included "Look at the fancy cell phone!", "My father was a ham when I was young" and "I didn't know you still did that". Many visitors were surprised to learn that ham radio is still alive and well and fully up to date with modern technology. A few lapsed hams also thought about getting back into amateur radio after stopping at the exhibit.

The fact that hams build satellites and talk to astronauts in space was a major part of the exhibit. These are two things that citizens band operators and cellular telephone users don't do. A recent ARISS contact between astronauts and school children played almost continously during the expo to draw people into the exhibit.

The exhibit also stressed the technical opportunities that are available in ham radio, that hams can design, build and modify their own transmitters and other equipment and that amateur radio provides practical electronics experience and is a great way to get a head start in a science or engineering career. Displays also showed off the public service abilities of hams and stressed that ham radio still works after all other communication systems have failed.

Visitors who were interested in learning more about amateur radio were directed to one of the many local radio clubs in the Washington area that offer licensing classes and exam sessions. Although the outcome of the exhibit cannot be accurately measured, we do know that last year's exhibit did produce one new ham that we know of, and possibly more that we don't know about.

[ANS thanks Dan, N8FGV, for the above information]

/EX

SB SAT @ AMSAT $ANS-274.05
OSCAR 11 Report - 28 September 2006

AMSAT News Service Bulletin 274.05
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS

BID: $ANS-274.05

OSCAR-11 REPORT

28 September 2006

NOTHING HEARD FROM OSCAR-11 DURING SEPTEMBER ... REPORTS REQUESTED!
Please post reports to AMSAT-BB or e-mail to xxxxx@amsat.org (replace
xxxxx by g3cwv).

During the period 14 August 2006 to 28 September, the satellite was
heard from 16 to 26 August. The beacon was expected to switch ON ten
days or 20 later, ie. around 05 or 15 September. However, it has not
been heard since 26 August.

During the last ON period, the real time clock showed various errors.
The date on 16 August was 51 July. By 26 August it had incremented to 60
July. The hours were also showing an erratic behaviour. Over short
periods of time, ie. during a pass, the minutes and seconds appeared to
be incrementing correctly

I am indebted to Jeff KB2M, Peter ZL3TC and Dave G1OCN, for their
reports and for monitoring the satellite, especially during the last two
weeks while I have been away on holiday. Many thanks.

The status of the satellite, when last heard, was that all the analogue
telemetry channels, 0 to 59 are zero, ie they have failed. The status
channels 60 to 67 were still working. The spacecraft computer and active
attitude control system have switched OFF, ie. the satellite' attitude
is controlled only by the passive gravity boom gradient, and the
satellite is free to spin at any speed. When telemetry was last received
it showed that one of the solar arrays had failed, and there was a large
unexplained current drain on the main 14 volt bus. After 22 years in
orbit the battery has undergone around 100,000 partial charge/discharge
cycles, and observations suggest that it cannot power the satellite
during eclipses, or sometimes during periods of poor solar attitude.

The watchdog timer now operates on a 20 day cycle. During the three
months before May (when the eclipses started), the ON/OFF times were
very consistent, and the average of many observations show this to be
20.7 days, ie. 10.3 days ON followed by 10.4 days OFF. However, poor
solar attitude may result may result in a low 14 volt line supply, which
may cause the beacon to switch OFF prematurely, and reset the watchdog
timer cycle. When this occurs, the beacon is OFF for 20.7 days.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website. If you need to know what OSCAR-11 should sound like, there is a short audio clip for you to hear. The website contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT125.CWV, to prevent duplication.

73 Clive G3CWV xxxxx@amsat.org (please replace xxxxx by g3cwv)

[ANS thanks Clive, G3CWV, for the above information]

/EX

SB SAT @ AMSAT $ANS-274.06
ARISS Status - 25 September 2006

AMSAT News Service Bulletin 274.06
From AMSAT HQ SILVER SPRING, MD.
October 1, 2006
To All RADIO AMATEURS
BID: $ANS-274.06

1. Swiss School Contact Successful

Thomas Reiter, DF4TR, spoke with students from the Gymnase Intercantonal de la Broye at the Musee de l'aviation militaire in Payerne, Switzerland on Friday, September 22. Eight students' questions were answered as 50 people gathered around the radio. Another 300 witnessed the contact in the hall where the event was transmitted on screen by amateur television (ATV). Media coverage included newspapers and television.

2. George Washington University Contact Successful

Space visitor Anousheh Ansari participated in a contact with her alma mater, George Washington University (GWU) in Washington, D.C. on Friday, September 22. As Ansari was Japanese participant, Dice-K Enomoto's back up on the Soyuz flight, she did not have time to get her U.S. license. Jeff Williams, KD5TVQ, acted as the control operator during the contact. Students from several area schools participated in the event: Eastern Middle School, Silver Spring, Md. (a NASA Explorer School); School Without Walls Senior High School, Washington, D.C.; Stevens Elementary School, Washington, D.C.; and Thomas Jefferson High School for Science and Technology, Alexandria, Va. Six students were able to have their questions answered. The event was held in the GWU Marvin Center amphitheater where approximately 125 people gathered. Television stations Fox TV 5, ABC WJLA 7 and news channel 8 provided coverage of the GWU ARISS contact as did the Washington Post and some other local papers. See:
http://www.washingtonpost.com/wp-dyn/content/article/2006/09/22/AR2006092201496.html

Photos of the event may be viewed on:
http://artemis.crosslink.net/~pk/AMSAT/AMSAT-ARISS-9-22-06/

The contact video may be seen here:
http://video.google.com/videoplay?docid=-1789656846413123353

The university posted a press release of the event.
http://my.gwu.edu/mod/calendar/default.cfm?event_id=9660&option=view&day=09/22/06

3. ARISS - Illinois Contact, a Success

Astronaut Jeff Williams, KD5TVQ, had his own contact scheduled for September 22 with his crew-pick school, Crete-Monee Intermediate Center in Crete, Illinois. Nineteen students asked one question each as the entire student body of 800 children looked on. The Kankakee Amateur Radio Society provided streaming audio via W9AZ 146.94 repeater on http://www.w9az.com. Two television channels, 7 and 2 covered the event. Crete's local newspaper, The Star, posted an online article:
http://www.starnewspapers.com/star/spnews/cup/24-cup3.htm

4. Upcoming School Contacts

The ARISS team continues to work on scheduling the Expedition 14 school contacts.

5. ISS Makes General Contacts

Besides making the scheduled ARISS school contact with George Washington University, Anousheh Ansari has been making general contacts with stations in the USA and Canada using the callsign RS0ISS. News of her contacts has already hit the media. See:
http://www.canada.com/nationalpost/news/story.html?id=852560db-b97c-4565-afaf-01a1ca1e4fce&k=82481

6. ARRL Article Covers Hams Onboard ISS

ARRL ran a story on the shuttle astronauts visiting the ISS. The amateur radio payload PCSAT2 was picked up during an EVA and returned to Earth. "Five Radio Amateurs Now Aboard ISS; Power Upgrade, PCSat2 Retrieval Set" may be viewed on:
http://www.arrl.org/news/stories/2006/09/11/101/?nc=1

7. ARRL Covers Expedition 14 Launch

ARRL ran an article on the launch of the Expedition 14 crew. The story, entitled, "Shift Change: New Two-Ham Crew, First Female Civilian Visitor on Way to ISS" may be found at:
http://www.arrl.org/news/stories/2006/09/18/102/?nc=1

8. ARRL Press Release on Three ARISS Contacts

On Friday, September 22, three ARISS contacts were performed by three different people onboard the ISS. "ARISS Plans Triple Header of Ham Radio School Contacts" may be viewed on:
http://www.arrl.org/news/stories/2006/09/21/100/?nc=1

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

344. WSR-275 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 00:00:44 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <M0hVg.5529$Y24.2438@newsread4.news.pas.earthlink.net>
Source record: 1400

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-275.S1
WSR 275 Part 1 10/02/2006

AMSAT NEWS SERVICE BULLETIN 275.S1 FROM AMSAT HQ
SILVER SPRING, MD, October 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-275.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon : 145.859330 MHZ CW
Dutch Beacon : 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U
L/U
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10022006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The

order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7

Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7, especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

The Expedition 13 crew is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

Exedition 14 crew, which is currently enroute, is:
Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT
Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-275.S2
WSR 275 Part 2 10/02/2006

AMSAT NEWS SERVICE BULLETIN 275.S2 FROM AMSAT HQ
SILVER SPRING, MD, October 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-275.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon Downlink: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U
L/U
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast

Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10022006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939

Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar

eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Intermittent
Digipeater: OFF

Expedition Crew 13 is:
Commander: Pavel Vinogradov - RV3BS
Flight Engineer: Jeff Williams - KD5TVQ
Crew: Thomas Reiter - DF4TR

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Michael Lopez-Alegria - KE5GTK
Mikhail Tyurin - RZ3FT

Anousheh Ansari

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Currently, Expedition Crew 14 is enroute to the International Space
Station.
During the week, the equipment may be turned off during docking of the
Soyuz.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[09182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-275.S3
WSR 275 Part 3 10/02/2006

AMSAT NEWS SERVICE BULLETIN 275.S3 FROM AMSAT HQ
SILVER SPRING, MD, October 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-275.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442

Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11

BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz

Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====

NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]

=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-275.S4
WSR 275 Part 4 10/02/2006

AMSAT NEWS SERVICE BULLETIN 275.S4 FROM AMSAT HQ
SILVER SPRING, MD, October 02, 2006
TO ALL RADIO AMATEURS
BID: $ANS-275.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the
memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen,
G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

345. TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 02:21:16 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <17jVg.818$UJ2.280@fed1read07>
Source record: 1401

I "inherited" a TAPR TRAKBOX kit, version 3.00, 1993 to 1995 vintage. At the time I got the kit, it was missing a few sockets, capacitors, resistors, and diodes, but it had all the ICs. I accumulated the missing parts and assembled the board. However, it does not appear to initialize the program when power is applied.

The LCD display shows one line of black blocks rather than the trakbox firmware version. No characters are transfered across the terminal interface to hyperterminal except a single "noise" character when power is applied. The clock crystal is oscillating at 11.0592 MHz and has been checked with a scope.

I am checking for shorts between IC socket pins and am checking continuity of program, data, and logic levels. Not done yet, but I have not yet found anything that differs from the trakbox circuit documentation that came with the kit. I did find that the pins of connector CN3 are numbered backwards on the circuit diagram, but so far that is the only discrepancy I have uncovered.

Has anybody built this unit and encountered similar problems? I know this is going back over 10 years to when this kit became available. Does anybody have a working Trakbox so that I can compare and exchange information?

This could be something as simple as a jumper problem or an interface error, but I doubt it at this point. Anybody have any suggestions?

John Kopala - N7JK

346. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 07:09:35 UTC
From: Alan WA4SCA <APBIDDLE@UNITED.NET>
Message-ID: <l40ci2pm2bbvb9lrp6mippd1a16braj3jb@4ax.com>
Source record: 1402

John,

You can get the latest firmware at:

http://www.jamsat.or.jp/trakbox/index_e.html

There is a complete download for version 3.50a with notes, and the
firmware only for 3.50d, which includes only a couple of bug fixes.

--
Alan
WA4SCA

347. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 11:08:53 UTC
From: Scott <acepilot@bloomer.net>
Message-ID: <_JKdnWdGbqTbpLvYnZ2dnUVZ_s-dnZ2d@bright.net>
Source record: 1403

I am not familiar with the unit, but if it appears that it is not booting up (sounds like it just sits there looking dumb??). I assume it runs a microprocessor like a Z80 or 6502 or something like that. If so, power up the unit and check the voltage on the CPU "Reset" pin. It should be at +5V during normal ops. They usually have a resistor between the pin and +5V and a capacitor from the pin to ground. Upon power up, the cap looks like a momentary short which activates a CPU reset. Once the cap charges up, it should take off running. Cap could be shorted due to old age or a solder blob, etc. Since it appears you have a scope, look at the address lines on the CPU. Are they changing states between low and high, indicating it is stepping through its program??

Scott
N0EDV

John Kopala wrote:

> I "inherited" a TAPR TRAKBOX kit, version 3.00, 1993 to 1995 vintage. At
> the time I got the kit, it was missing a few sockets, capacitors, resistors,
> and diodes, but it had all the ICs. I accumulated the missing parts and
> assembled the board. However, it does not appear to initialize the program
> when power is applied.
>
> The LCD display shows one line of black blocks rather than the trakbox
> firmware version. No characters are transfered across the terminal
> interface to hyperterminal except a single "noise" character when power is
> applied. The clock crystal is oscillating at 11.0592 MHz and has been
> checked with a scope.
>
> I am checking for shorts between IC socket pins and am checking continuity
> of program, data, and logic levels. Not done yet, but I have not yet found
> anything that differs from the trakbox circuit documentation that came with
> the kit. I did find that the pins of connector CN3 are numbered backwards
> on the circuit diagram, but so far that is the only discrepancy I have
> uncovered.
>
> Has anybody built this unit and encountered similar problems? I know this
> is going back over 10 years to when this kit became available. Does anybody
> have a working Trakbox so that I can compare and exchange information?
>
> This could be something as simple as a jumper problem or an interface error,
> but I doubt it at this point. Anybody have any suggestions?
>
> John Kopala - N7JK
>

>

348. Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 19:57:20 UTC
From: Thierry
Message-ID: <4526b523$1@news.vo.lu>
Source record: 1404
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

Hi,

Your opinion 'd be welcome.

There is a French magazine titled "L'internaute magazine" (magazine of internet users) that provides for a while a poll dealing with the interest or not to invest in the US space program
http://questionnaire.linternaute.com/fiche/1999/23/index.html

It is a multiple-choice test with 3 opinions in radio buttons
Estimez-vous que le budget de la Nasa est (I translate, do you think that NASA budget is) :
- L'gitime (legitimate, rightful)
- Disproportionn' : il y a des probl'mes plus importants (disproportionate: there are problems more important)
- Insuffisant : la recherche spatiale est fondamentale (insufficient : space research is fundamental)
<validation button>.

Up to date, the result is... 47% against !
(the first screen displays a result but which is not updated. Once your poll validated, the right result will appears)
But the sample gathers only about 200 readers and probably all french or close to and thus no one US citizen, the first people concerned by he prestige or spin-offs on this program...

When we know the benefits of the space (a 3:1 ratio according to authorities), and that during the spirit opportunity mission there were 11 billions connections on NASA website ! (proof of the interest of the populaiton for astronautics), sometimes I wonder if we leave in the same world or have the same references...

Thierry
http://www.astrosurf.org/luxorion

349. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 21:04:33 UTC
From: SkySea@aolREMOVE.com
Message-ID: <4526c3ed.20362671@news.qwest.net>
Source record: 1405
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

A couple of things...

The same question should be asked of ESA. Better yet, it should ask generically whether space exploration is worthy. And in English (too).

Asking only About NASA, especially in a foreign country and language, will skew data because fewer stakeholders will be participating. After all, it's not like it's their (France's? Europe's) tax money contributing towards NASA. Or business.

On Fri, 6 Oct 2006 21:57:20 +0200, <Thierry> wrote:

>Hi,
>
>Your opinion 'd be welcome.
>
>There is a French magazine titled "L'internaute magazine" (magazine of
>internet users) that provides for a while a poll dealing with the interest
>or not to invest in the US space program
>http://questionnaire.linternaute.com/fiche/1999/23/index.html
>
>It is a multiple-choice test with 3 opinions in radio buttons
>Estimez-vous que le budget de la Nasa est (I translate, do you think that
>NASA budget is) :
>- L�gitime (legitimate, rightful)
>- Disproportionn� : il y a des probl�mes plus importants (disproportionate:
>there are problems more important)
>- Insuffisant : la recherche spatiale est fondamentale (insufficient : space
>research is fundamental)
><validation button>.
>
>Up to date, the result is... 47% against !
>(the first screen displays a result but which is not updated. Once your poll
>validated, the right result will appears)
>But the sample gathers only about 200 readers and probably all french or
>close to and thus no one US citizen, the first people concerned by he
>prestige or spin-offs on this program...
>
>When we know the benefits of the space (a 3:1 ratio according to
>authorities), and that during the spirit opportunity mission there were 11
>billions connections on NASA website ! (proof of the interest of the
>populaiton for astronautics), sometimes I wonder if we leave in the same
>world or have the same references...
>

>Thierry
>http://www.astrosurf.org/luxorion
>
>

==========
- Dale Gombert (SkySea at aol.com)
122.38W, 47.58N, W. Seattle, WA
http://flavorj.com/~skysea

350. Radio Meteor Obs. Bull. September 2006

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 21:45:02 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <phjdi2p71j8kblc5e34f6k79862c8fhlos@4ax.com>
Source record: 1406
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 158 of September 2006 (71K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0609.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

351. FEMME MARIEES DELAISSEES LA CHATTE EN FEU

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 22:27:07 UTC
From: melanie@franceweb.com
Message-ID: <4526d83a$0$27369$ba4acef3@news.orange.fr>
Source record: 1407
Body handling: HTML body converted to readable text

[No readable article body recovered]

352. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 22:39:25 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <eZAVg.885$UJ2.314@fed1read07>
Source record: 1408

Thanks. I have already been to the TAPR site and have found and downloaded
their copies of the PROM upgrades and the documentation in their library.

Thanks
John - N7JK

"Alan WA4SCA" <APBIDDLE@UNITED.NET> wrote in message
news:l40ci2pm2bbvb9lrp6mippd1a16braj3jb@4ax.com...
> John,
>
> You can get the latest firmware at:
>
> http://www.jamsat.or.jp/trakbox/index_e.html
>
> There is a complete download for version 3.50a with notes, and the
> firmware only for 3.50d, which includes only a couple of bug fixes.
>
>
> --
> Alan
> WA4SCA

353. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 22:44:45 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <82BVg.886$UJ2.330@fed1read07>
Source record: 1409

Thanks, Scott.

I have pretty much completed checking the board for shorts and tracing the circuits between the ICs. It appears the the board perfectly matches the wiring document, so I will be doing the tests that you suggest next to verify whether the program is actually running. At this point, I suspect I have interface problems with the LCD display and the RS232 terminal interface to my computer.

"Scott" <acepilot@bloomer.net> wrote in message news:_JKdnWdGbqTbpLvYnZ2dnUVZ_s-dnZ2d@bright.net...
> I am not familiar with the unit, but if it appears that it is not
> booting up (sounds like it just sits there looking dumb??). I assume it
> runs a microprocessor like a Z80 or 6502 or something like that. If so,
> power up the unit and check the voltage on the CPU "Reset" pin. It
> should be at +5V during normal ops. They usually have a resistor
> between the pin and +5V and a capacitor from the pin to ground. Upon
> power up, the cap looks like a momentary short which activates a CPU
> reset. Once the cap charges up, it should take off running. Cap could
> be shorted due to old age or a solder blob, etc. Since it appears you
> have a scope, look at the address lines on the CPU. Are they changing
> states between low and high, indicating it is stepping through its program??
>
> Scott
> N0EDV

354. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-06 23:35:37 UTC
From: Alan WA4SCA <APBIDDLE@UNITED.NET>
Message-ID: <hqpdi29nne7q6uqffiep1cvpngqq6ng1r2@4ax.com>
Source record: 1410

John,

Something else to check is that the CPU, RAM, clock xtal, and EPROM
all match. There were several versions of the code, with some
requiring faster chips to function correctly. It has been too long to
remember all the variations. I do recall that with some of the code
updates the system would not boot with slower chips, though I don't
recall the exact symptoms.

--
Alan
WA4SCA

355. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 14:27:58 UTC
From: vze3gz45 <vze3gz45@verizon.net>
Message-ID: <OPOVg.2124$YD.1529@trndny09>
Source record: 1411
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

<Thierry> wrote in message news:4526b523$1@news.vo.lu...
> Hi,
>
> Your opinion 'd be welcome.
>
> There is a French magazine titled "L'internaute magazine" (magazine of
> internet users) that provides for a while a poll dealing with the interest
> or not to invest in the US space program
> http://questionnaire.linternaute.com/fiche/1999/23/index.html
>
> It is a multiple-choice test with 3 opinions in radio buttons
> Estimez-vous que le budget de la Nasa est (I translate, do you think that
> NASA budget is) :
> - L'gitime (legitimate, rightful)
> - Disproportionn' : il y a des probl'mes plus importants
> (disproportionate: there are problems more important)
> - Insuffisant : la recherche spatiale est fondamentale (insufficient :
> space research is fundamental)
> <validation button>.
>
> Up to date, the result is... 47% against !

Thats ok. All this means is that French will not be a language spoken
in the first space colonies off world. So far humanity will speak english,
russian, german, chinese in the first space colonies off world.

vze3gz45

<snip>

> Thierry
> http://www.astrosurf.org/luxorion
>
>

356. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 14:50:37 UTC
From: Chris L Peterson <clp@alumni.caltech.edu>
Message-ID: <6hefi29so6rbnskr1h4hohrmt8ssa29keg@4ax.com>
Source record: 1412
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

On Fri, 6 Oct 2006 21:57:20 +0200, <Thierry> wrote:

>It is a multiple-choice test with 3 opinions in radio buttons
>Estimez-vous que le budget de la Nasa est (I translate, do you think that
>NASA budget is) :
>- Lï¿½gitime (legitimate, rightful)
>- Disproportionnï¿½ : il y a des problï¿½mes plus importants (disproportionate:
>there are problems more important)
>- Insuffisant : la recherche spatiale est fondamentale (insufficient : space
>research is fundamental)
><validation button>.

The problem with polls like this is that they leave too many options
unavailable. How are you supposed to vote if you consider that NASA's
budget is (1) insufficient, and (2) misapplied?

Chris L Peterson
Cloudbait Observatory
http://www.cloudbait.com

357. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 15:13:11 UTC
From: pausch@saaf.se
Message-ID: <eg8fct$18ep$1@merope.saaf.se>
Source record: 1413
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

In article <OPOVg.2124$YD.1529@trndny09>,
vze3gz45 <vze3gz45@verizon.net> wrote:
>
><Thierry> wrote in message news:4526b523$1@news.vo.lu...
>> Hi,
>>
>> Your opinion 'd be welcome.
>>
>> There is a French magazine titled "L'internaute magazine" (magazine of
>> internet users) that provides for a while a poll dealing with the interest
>> or not to invest in the US space program
>> http://questionnaire.linternaute.com/fiche/1999/23/index.html
>>
>> It is a multiple-choice test with 3 opinions in radio buttons
>> Estimez-vous que le budget de la Nasa est (I translate, do you think that
>> NASA budget is) :
>> - L�gitime (legitimate, rightful)
>> - Disproportionn� : il y a des probl�mes plus importants
>> (disproportionate: there are problems more important)
>> - Insuffisant : la recherche spatiale est fondamentale (insufficient :
>> space research is fundamental)
>> <validation button>.
>>
>> Up to date, the result is... 47% against !
>
> Thats ok. All this means is that French will not be a language spoken
>in the first space colonies off world. So far humanity will speak english,
>russian, german, chinese in the first space colonies off world.

Your remark reminds me a bit of a list of solar eclipses in an astronomy book from 1930. That list contained all total and annular eclipses visible in Europe from the 1800's into the 2100's. Nothing strange with that, except that the book included a number of colonies in northern Africa in what it considered to be "Europe" and thus listed eclipses visible from there too. Little did the author realize that well before the 2100's, actually only some 30-40 years after the publication of that book, these colonies would become independent nations, considering themselves to belong to Africa rather than to Europe....

The first space colonies off the Earth are still a long time into the future. At best there might be something on the Moon within 50 years or so -- a more probable scenario is that it'll take 100 or more years to happen. Maybe it'll never happen, we don't know. Anyway there may be

fast and unexpected political changes during these 50 or 100 years - just
think back 50 or 100 years about what has happened since then. These
changes can easily alter your list of languages spoken on these colonies,
if they ever materialize. Your list of languages is probably appropriate
for any space colonies being built now -- but there are none.

>vze3gz45
>
>
><snip>
>
>> Thierry
>> http://www.astrosurf.org/luxorion
>>
>>
>
>

--

Paul Schlyter, Grev Turegatan 40, SE-114 38 Stockholm, SWEDEN
e-mail: pausch at stockholm dot bostream dot se
WWW: http://stjarnhimlen.se/

358. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 15:39:02 UTC
From: Thierry
Message-ID: <4527ca16$1@news.vo.lu>
Source record: 1414
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

"vze3gz45" <vze3gz45@verizon.net> wrote in message
news:OPOVg.2124$YD.1529@trndny09...
>
> <Thierry> wrote in message news:4526b523$1@news.vo.lu...
>> Hi,
>>
>> Your opinion 'd be welcome.
>>
>> There is a French magazine titled "L'internaute magazine" (magazine of
>> internet users) that provides for a while a poll dealing with the
>> interest or not to invest in the US space program
>> http://questionnaire.linternaute.com/fiche/1999/23/index.html
>>
>> It is a multiple-choice test with 3 opinions in radio buttons
>...
> Thats ok. All this means is that French will not be a language spoken
> in the first space colonies off world. So far humanity will speak
> english,
> russian, german, chinese in the first space colonies off world.
>

Who knows... ;-) But sure that English is the "universal langage" (sorry
for those who like maths)

NB. read this extracted from wy web, about ham radio and langages.
According to UNESCO, there are 2000 languages spoken in the world. Don't
worry, about 15 languages disappear each year. In this context, Saint
Ignatius High School in Ohio published a list of main languages spoken in
the world. One learnt that if Mandarin is the most used language due to the
explosion of the chinese population, this is the English that remains
officially the first spoken language in 115 countries, followed by French
used in 35 countries and Arab spoken in 24 countries. All factors together,
including economical or taking into account the secundary language, they
classify as follows the ten most used languages in the world, by decreasing
order : English, French, Spanish, Russian, Arab, Mandarin, German, Japanese,
Portugese and Indi/Urdu. And de facto, most of radio amateurs speak English
and often several among the three first languages listed, the six others
being essentially used in countries where it constitutes the official
language.

St Ignatius link : http://www2.ignatius.edu/faculty/turner/languages.htm

Thierry
.

> vze3gz45
>
>
> <snip>
>
>> Thierry
>> http://www.astrosurf.org/luxorion
>>
>>
>
>
>

359. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 15:43:56 UTC
From: Thierry
Message-ID: <4527cb3d$1@news.vo.lu>
Source record: 1415
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

"Paul Schlyter" <pausch@saaf.se> wrote in message
news:eg8fct$18ep$1@merope.saaf.se...
> In article <OPOVg.2124$YD.1529@trndny09>,
> vze3gz45 <vze3gz45@verizon.net> wrote:
>>
>><Thierry> wrote in message news:4526b523$1@news.vo.lu...
>>> Hi,
>>>
>>> Your opinion 'd be welcome.
>>>
>...
>...
>
> Your remark reminds me a bit of a list of solar eclipses in an astronomy
> book from 1930. That list contained all total and annular eclipses
> visible
> in Europe from the 1800's into the 2100's. Nothing strange with that,
> except that the book included a number of colonies in northern Africa in
> what it considered to be "Europe" and thus listed eclipses visible from
> there too. Little did the author realize that well before the 2100's,
> actually only some 30-40 years after the publication of that book, these
> colonies would become independent nations, considering themselves to
> belong to Africa rather than to Europe....
>

Still today, don't US citizens call all their colonies, US territories ? You
are "in the USA" there.
Idem for France, their "DOM-TOM" like Crouzet and other Kerguelen are
"France"
Excepted maybe in Canada, with a visit of H.M the Queen once each 50 year,
what remains of the link with the UK is not ovbvious...

Thierry

> The first space colonies off the Earth are still a long time into the
> future. At best there might be something on the Moon within 50 years or
> so -- a more probable scenario is that it'll take 100 or more years to
> happen. Maybe it'll never happen, we don't know. Anyway there may be
> fast and unexpected political changes during these 50 or 100 years - just
> think back 50 or 100 years about what has happened since then. These
> changes can easily alter your list of languages spoken on these colonies,
> if they ever materialize. Your list of languages is probably appropriate
> for any space colonies being built now -- but there are none.
>

>>vze3gz45
>>
>>
>><snip>
>>
>>> Thierry
>>> http://www.astrosurf.org/luxorion
>>>
>>>
>>
>>
>
>
> --
> ---
> Paul Schlyter, Grev Turegatan 40, SE-114 38 Stockholm, SWEDEN
> e-mail: pausch at stockholm dot bostream dot se
> WWW: http://stjarnhimlen.se/
>

360. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 15:49:25 UTC
From: Thierry
Message-ID: <4527cc86$1@news.vo.lu>
Source record: 1416
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

"Chris L Peterson" <clp@alumni.caltech.edu> wrote in message
news:6hefi29so6rbnskr1h4hohrmt8ssa29keg@4ax.com...
> On Fri, 6 Oct 2006 21:57:20 +0200, <Thierry> wrote:
>
>>It is a multiple-choice test with 3 opinions in radio buttons
>>Estimez-vous que le budget de la Nasa est (I translate, do you think that
>>NASA budget is) :
>>- L�gitime (legitimate, rightful)
>>- Disproportionn� : il y a des probl�mes plus importants
>>(disproportionate:
>>there are problems more important)
>>- Insuffisant : la recherche spatiale est fondamentale (insufficient :
>>space
>>research is fundamental)
>><validation button>.
>
> The problem with polls like this is that they leave too many options
> unavailable. How are you supposed to vote if you consider that NASA's
> budget is (1) insufficient, and (2) misapplied?

Tttt. !! Ask only to the question ! ;-)

NB. Of course, any poll could be discussed to the infinite
You think too much...

Since yesterday the poll counter passed from 197 to 205 people... with still
a bit less people "against" (45% now vs 49%).

Thierry

>
> ____
>
> Chris L Peterson
> Cloudbait Observatory
> http://www.cloudbait.com
>

361. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 18:10:58 UTC
From: canopus56 <canopus56@NOyahooSPAM.com>
Message-ID: <4527ed78$0$11718$3a2ecee9@news.csolutions.net>
Source record: 1417
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

<Thierry> wrote in message news:4526b523$1@news.vo.lu...
> Your opinion 'd be welcome.
> There is a French magazine titled "L'internaute magazine" (magazine of
> internet users) that provides for a while a poll dealing with the interest
> or not to invest in the US space program
> http://questionnaire.linternaute.com/fiche/1999/23/index.html

A 9/2006 U.S. Poll by Gallop - NASA sponsored -
"The new survey - the last of a three-part series sponsored by the industry group the Coalition for Space Exploration - found that more than two-thirds of Americans polled support NASA's stepping-stone approach to returning astronauts to the Moon, provided the effort's cost does not exceed more than one percent of the federal budget."
http://news.yahoo.com/s/space/20060926/sc_space/pollsupportstillstrongfornasasspaceexplorationvision

A 1/2004 U.S. Poll - by Associated Press -
"Asked whether they favored the United States expanding the space program the way Bush proposes, people were evenly split, with 48 percent favoring the idea and the same number opposing it, according to the poll conducted for the AP by Ipsos-Public Affairs."
"However, given the choice of spending money on programs like education and health care or on space research, 55 percent said they wanted domestic programs."
"Just over half of Democrats' opposed the plan by "the United States." Once it was identified as a 'Bush administration' plan, Democrats opposed it by a 2-to-1 margin."
http://www.space.com/news/ap_spacepoll_040112.html

Thierry, sounds like the French are not that much different from Americans.

I do not speak French, so I am not sure what the French poll is asking:
1) Do Americans invest too much in their own space program?
2) Should the French invest in the American space program?

Considering the (legitimate) widespread condemnation of the Bush Administration over the Iraq war, how do you separate distain for the Bush administration from a reduced support from the U.S. space program?

- Canopus56

P.S. - A NASA bibliography of public opinion studies
http://www.hq.nasa.gov/office/hqlibrary/pathfinders/opinion.htm

P.P.S. - ". . . provided the effort's cost does not exceed more than one percent of the federal budget."

From: http://www.census.gov/compendia/statab/tables/06s0462.xls

NASA's 2005 budget as percent of total U.S. Budget in billions $US: 15.4
/ 2479.4 = 0.6%
NASA's 1990 budget as a precent of total U.S. Buget in billions $US: 12.4 /
1253.1 = 0.9%

I haven't been able to access the 2007 Whitehouse budget for a 2007
estimate, because I am using a dail-up modem.
http://www.whitehouse.gov/omb/budget/

362. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 19:02:25 UTC
From: Thierry
Message-ID: <4527f9c2$1@news.vo.lu>
Source record: 1418
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

"canopus56" <canopus56@NOyahooSPAM.com> wrote in message
news:4527ed78$0$11718$3a2ecee9@news.csolutions.net...
> <Thierry> wrote in message news:4526b523$1@news.vo.lu...
>> Your opinion 'd be welcome.
>> There is a French magazine titled "L'internaute magazine" (magazine of
>> internet users) that provides for a while a poll dealing with the
>> interest or not to invest in the US space program
>> http://questionnaire.linternaute.com/fiche/1999/23/index.html
>
> A 9/2006 U.S. Poll by Gallop - NASA sponsored -
> "The new survey - the last of a three-part series sponsored by the
> industry group the Coalition for Space Exploration - found that more than
> two-thirds of Americans polled support NASA's stepping-stone approach to
> returning astronauts to the Moon, provided the effort's cost does not
> exceed more than one percent of the federal budget."
> http://news.yahoo.com/s/space/20060926/sc_space/pollsupportstillstrongfornasasspaceexplo
rationvision
>

> A 1/2004 U.S. Poll - by Associated Press -
> "Asked whether they favored the United States expanding the space program
> the way Bush proposes, people were evenly split, with 48 percent favoring
> the idea and the same number opposing it, according to the poll conducted
> for the AP by Ipsos-Public Affairs."
> "However, given the choice of spending money on programs like education
> and health care or on space research, 55 percent said they wanted domestic
> programs."
> "Just over half of Democrats' opposed the plan by "the United States."
> Once it was identified as a 'Bush administration' plan, Democrats opposed
> it by a 2-to-1 margin."
> http://www.space.com/news/ap_spacepoll_040112.html
>
> Thierry, sounds like the French are not that much different from
> Americans.
>
> I do not speak French, so I am not sure what the French poll is asking:
> 1) Do Americans invest too much in their own space program?
> 2) Should the French invest in the American space program?
>
> Considering the (legitimate) widespread condemnation of the Bush
> Administration over the Iraq war, how do you separate distain for the
> Bush administration from a reduced support from the U.S. space program?
>

> - Canopus56

Thanks for all those links. I will check all that.
As you say, there are not many difference between US and Europe in this regard.
All depend in fact on the current activity of the space program as you showed.
Remember the "hit" of A11 in 1969; it was a world interest.
When there is not much activity aloft, people are not interested in as they are not (much) interested in the routine missions of the shuttle (sorry NASA, it is a fact)
However, when there is a stop in the program for any reason or when a new program is scheduled (e.g. Constellation), then again medai and people are all behind astronauts waiting the next hero. I bet that if we create a poll in 2020 during the possible Mars manned mission, the result will be far different and more that probably largely in favor of this mission, as it was during the conquest of the Moon.

Thierry

>
> P.S. - A NASA bibliography of public opinion studies
> http://www.hq.nasa.gov/office/hqlibrary/pathfinders/opinion.htm
>
> P.P.S. - ". . . provided the effort's cost does not exceed more than one
> percent of the federal budget."
> From: http://www.census.gov/compendia/statab/tables/06s0462.xls
>
> NASA's 2005 budget as percent of total U.S. Budget in billions $US:
> 15.4 / 2479.4 = 0.6%
> NASA's 1990 budget as a precent of total U.S. Buget in billions $US: 12.4
> / 1253.1 = 0.9%
>
> I haven't been able to access the 2007 Whitehouse budget for a 2007
> estimate, because I am using a dail-up modem.
> http://www.whitehouse.gov/omb/budget/
>
>
>

363. Re: Poll about astronautics (french by easy)

Newsgroup: rec.radio.amateur.space
Date: 2006-10-07 23:08:57 UTC
From: canopus56 <canopus56@yahoo.com>
Message-ID: <1160262537.407796.173320@c28g2000cwb.googlegroups.com>
Source record: 1419
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur,sci.space.station

Thierry wrote:
> "canopus56" <canopus56@NOyahooSPAM.com> wrote in message
> news:4527ed78$0$11718$3a2ecee9@news.csolutions.net...
<snip> As you say, there are not many difference between US and
> Europe in this regard. All depend in fact on the current activity of the
> space program as you showed. <snip>
> However, when there is a stop in the program for any reason or when a new
> program is scheduled (e.g. Constellation), then again medai and people are
> all behind astronauts waiting the next hero.

I feel public support is caused by ongoing discoveries that are accessible by the public and not by astronauts becoming herioc media celebrities. Niel Armstrong personal modesty with respect to his historic role of being the Christopher Colombus of the Moon is a case in point. Public support for the space program in 1990s through 2005 has more to do with images being regularly returned and distributed by the Great Observatories like the Hubble and Spitzer space telecopes and robotic missions like Cassini, Gallileo and the Mars rovers. The 50% of the public supporting space exploration understand that it is long-term endeavor and is a necessary expression of the human spirit of exploration. The human need for exploration is why 50% of American and French citizen support space expenditures, even though it might take away from necessary social program spending.

The danger to public support for NASA is too much emphasis on manned exploration.

At $8 billion U.S. a piece for two lost shuttles and $700 million U.S. to make a delivery to the International Space Station using the shuttle, there will be a limit to that public support after a catastropic spacecraft losses. We need both - manned missions and robotic - but the current U.S. administration's committment is to support only one or the other while reducing inflation adjusted funding for both. If shuttles cost $100-200 million U.S. and only $50 million per launch, public opinion might be different.

If NASA's budget is concentrated in manned exploration and there is a catestrophic loss of spacecraft and astronaut life, it is easier for politicians to call for the entire program's cancellation. If there is catestropic loss of a Constellation-Orion, it will be missions like the Mars Reconnisance Orbiter (MRO), the Mars Rovers and Cassini that will keep the agency afloat in public opinion.

Looks like the 2007 NASA budget ratio is 0.6% - 16.3B / 2770B = 0.6%
http://www.whitehouse.gov/omb/budget/fy2007/tables.html

- Canopus56

364. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-10 20:01:46 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <F1TWg.1135$UJ2.623@fed1read07>
Source record: 1420

Thanks for the suggestions, Scott.

Your description is perfect: "just sits there looking dumb." It's till doing that.

I have checked the reset circuit. Applying a high level for 2 clock cycles resets the 80C51 processor. It does a reset when power is applied. A DS1228 controls the reset operation. A jumper on the board also can be used to manually assert a reset.

So, the board resets on power on or when manually reset. Checking the levels on the various address and data lines also indicates that the processor is running. There is activity on the address and data lines. It would appear that the processor starts but the program encounters some problem before completing the full boot operation and then loops.

I'm not really sure where to go from here, short of disassembling the program to see what it is doing. At this point, an In Circuit Emulator would be help immensely.

Suggestions?

John Kopala

365. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-10 20:07:15 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <O6TWg.1136$UJ2.123@fed1read07>
Source record: 1421

Thanks Alan.

I am currently using the original CPU, RAM, clock crystal, and EPROM that came with the kit. These all represent the initial 3.00 release and should be compatible. I believe the problems requiring the faster chips occurs when the box is upgraded from the 3.00 version to the 3.30 turbo version with the 80C320 processor. I also have those chips and the PROM for the 3.50d release. I haven't tried all possible combinations, but I did not have any success using the faster chips either. I do not yet have the 22 MHz crystal.

John
N7JK

366. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-10 23:34:16 UTC
From: Alan WA4SCA <APBIDDLE@UNITED.NET>
Message-ID: <pvaoi2t39mavtlcbpb9c3fp9j2vp2v3a04@4ax.com>
Source record: 1422

John,

Sounds as if you have a compatible set of parts. I remember when I did some of the upgrades that the system would appear as you mention when I tried some of the old, slow EPROMS.

A shot in the dark is to drop a note to Jack Davis, at

WA4EJR (at) ARRL (dot) NET

Jack was one of the original developers, and his call is probably on the PC board. He was selling the units in small quantities until some of the key parts became unavailable, and might have an idea. Be aware that both he and his wife have physical health issues, so I am not certain what his level of interest is these days.

--
Alan
WA4SCA

367. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-11 11:32:00 UTC
From: Scott <acepilot@bloomer.net>
Message-ID: <BYGdndVL8KWvS7HYnZ2dnUVZ_vadnZ2d@bright.net>
Source record: 1423

Dang, I was hoping for a simple fix ;)

One of my old Commodore VIC-20s (yeah, me and computers go back a ways!) used to run fine at power up and then when it would get warm, it would just freeze. Replaced the CPU (6502) and that fixed it. The 6502 had the clock built in to the chip...

Hmmm...what to check next...

Close inspection of the pins on the ROM chip (or maybe there isn't a separate ROM...not too familiar with the 8051...think that's a "controller" with ROM built in??)...any shorts or breaks in the PC traces?

Are the power supply voltages on the board OK? 5V I suspect?

How do you know that it's sitting there dumb as a box of rocks? Are there LEDs that indicate something or is does it "talk" to you via a PC terminal program? I've never seen one of these things, so I don't even know what it looks like of what it is SUPPOSED to do ;)

Next, do you have a schematic for it??

Scott

John Kopala wrote:

> Thanks for the suggestions, Scott.
>
> Your description is perfect: "just sits there looking dumb." It's till
> doing that.
>
> I have checked the reset circuit. Applying a high level for 2 clock cycles
> resets the 80C51 processor. It does a reset when power is applied. A
> DS1228 controls the reset operation. A jumper on the board also can be used
> to manually assert a reset.
>
> So, the board resets on power on or when manually reset. Checking the
> levels on the various address and data lines also indicates that the
> processor is running. There is activity on the address and data lines. It
> would appear that the processor starts but the program encounters some
> problem before completing the full boot operation and then loops.
>
> I'm not really sure where to go from here, short of disassembling the
> program to see what it is doing. At this point, an In Circuit Emulator
> would be help immensely.
>
> Suggestions?

>
> John Kopala
>
>

368. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-12 04:53:27 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <eWjXg.1199$UJ2.359@fed1read07>
Source record: 1424

Scott,

I hoped for a simple fix when I first encountered the problem, but that was not to be.

Let me answer your questions in pseudo reverse order:

1. Yes, I have 5 pages of schematics for the board and building external interfaces. The board takes up 3 of the sheets.
2. I have cross checked all of the socket pins for each IC for shorts and found none. I have verified every trace connection between the ICs on the board against the schematics.
3. It has a 2 line LCD display with 16 characters per line.
4. It has an RS232 port wired as a null modem for direct connection to a terminal or PC terminal program, such as hyperterminal.
5. The 80C51 does have an internal PROM, but it is wired and jumpered to use an external PROM.
6. An external RAM is provided on the board so that configuration data and satellite kerlerian elements can be downloaded to the board. Battery backup is provided through a PST532 IC for times when the TrakBox is removed from 12 volt power or turned off.
7. Vcc and all power on the board, except the battery backup is 5 volts.
8. It has a real time clock chip, 62421A.
9. Purpose - With downloaded satellite data, it will track a selected satellite, tell you when it is above the horizon, and turn the antennas to track the satellite when the antenna control is selected on the box. It can also adjust the radio to adjust for the dopper shift as the satellite travels across the sky.

So what does it do currently? It outputs one line of characters which appear as black underlined boxes to the LCD display. Interface error???? Nothing to the RS232 interface except a smily faced character. Could be just noise at startup. Selector switch for satellite is set to zero (grounded) to indicate operation in terminal mode. At initial startup is should test the battery-backed up RAM for a checksum. Since data has not yet been stored and saved in the RAM, it should give the following warning message, "Data in RAM was lost !! Set default parameter !" Apparently the RAM test is not being completed. Replacing the RAM with a new higher speed RAM produces the same result.

You can see what the board looks like at:
http://www.tapr.org/kits_trakbox.html

Still baffled.
John

369. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-12 04:55:34 UTC
From: John Kopala <jkopala@gmail.com>
Message-ID: <aYjXg.1200$UJ2.857@fed1read07>
Source record: 1425

Alan,

Thanks. I'll try Jack and see if he could possibly help. Yes, I see his call sign on the board.

John

370. Re: TAPR TRAKBOX Problems

Newsgroup: rec.radio.amateur.space
Date: 2006-10-12 12:52:41 UTC
From: Scott <acepilot@bloomer.net>
Message-ID: <8_GdnWfEW5EHp7PYnZ2dnUVZ_u2dnZ2d@bright.net>
Source record: 1426

Another couple questions...

Did the unit ever work for you?

Are all the jumpers installed per the assembly manual. Specifically, it looks like you (or someone) may have upgraded the firmware to Version 3.5 I believe it is. Have you tried the procedure listed in the assembly manual for upgrading the firmware chip (basically re-installing the EPROM version you have on hand)??? I don't suppose you could scan a copy of the schematics and email them to me, could you? If so, send to acepilot at bloomer dot net and I will take a look and see if I can come up with any ideas for you...

Scott
N0EDV

John Kopala wrote:

> Scott,
>
> I hoped for a simple fix when I first encountered the problem, but that was
> not to be.
>
> Let me answer your questions in pseudo reverse order:
>
> 1. Yes, I have 5 pages of schematics for the board and building external
> interfaces. The board takes up 3 of the sheets.
> 2. I have cross checked all of the socket pins for each IC for shorts and
> found none. I have verified every trace connection between the ICs on the
> board against the schematics.
> 3. It has a 2 line LCD display with 16 characters per line.
> 4. It has an RS232 port wired as a null modem for direct connection to a
> terminal or PC terminal program, such as hyperterminal.
> 5. The 80C51 does have an internal PROM, but it is wired and jumpered to
> use an external PROM.
> 6. An external RAM is provided on the board so that configuration data and
> satellite kerlerian elements can be downloaded to the board. Battery backup
> is provided through a PST532 IC for times when the TrakBox is removed from
> 12 volt power or turned off.
> 7. Vcc and all power on the board, except the battery backup is 5 volts.
> 8. It has a real time clock chip, 62421A.
> 9. Purpose - With downloaded satellite data, it will track a selected
> satellite, tell you when it is above the horizon, and turn the antennas to
> track the satellite when the antenna control is selected on the box. It can
> also adjust the radio to adjust for the dopper shift as the satellite
> travels across the sky.

>
> So what does it do currently? It outputs one line of characters which
> appear as black underlined boxes to the LCD display. Interface error????
> Nothing to the RS232 interface except a smily faced character. Could be
> just noise at startup. Selector switch for satellite is set to zero
> (grounded) to indicate operation in terminal mode. At initial startup is
> should test the battery-backed up RAM for a checksum. Since data has not
> yet been stored and saved in the RAM, it should give the following warning
> message, "Data in RAM was lost !! Set default parameter !" Apparently the
> RAM test is not being completed. Replacing the RAM with a new higher speed
> RAM produces the same result.
>
> You can see what the board looks like at:
> http://www.tapr.org/kits_trakbox.html
>
> Still baffled.
> John
>
>

371. ANS-281 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-10-12 14:51:47 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <7EsXg.12882$UG4.9514@newsread2.news.pas.earthlink.net>
Source record: 1427

AMSAT NEWS SERVICE
ANS-281

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* AMSAT Board of Directors Approves Eagle Communications Payloads
* More News From The 2006 AMSAT Space Symposium
* ARISS Plans for Expanded Role in Space
* PCSAT-1 Continues Operation
* AMSAT Awards
* Arianespace to WebCast October 12 Launch
* NASA Seeks Undergrads To Experiment In Lunar And Zero Gravity
* Square Mile Array Heading for Quiet RF Environment in Southern Hemisphere
* ARISS Status for the Week of October 2, 2006

SB SAT @ AMSAT $ANS-281.01
AMSAT Board of Directors Approves Eagle Communications Payloads

AMSAT News Service Bulletin 281.01
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.01

AMSAT's Board of Directors met on 5 October in San Francisco, CA and approved the following Eagle communications payloads:

+ A SSB/CW (etc.) transponder with uplink on U-band and downlink on V-band. System design has a goal that it be usable over 75% of the orbit by an AO-13 or AO-40 capable ground station.

+ A SSB/CW (etc.) transponder with uplink on L-band and downlink on S1-band (2.4 Ghz). An AO-13 or AO-40 capable ground station will be able to use this payload.

+ A low rate text message system, like SMS. It will operate on U/V-bands and be usable over 75% of the orbit by a small terminal on the ground.

+ These transponders will be implemented using Software Defined Transponders (SDX).

Eagle will also carry an advanced communications payload (ACP). Using advanced signal processing and RF techniques, the ACP will allow:

1) Voice communications on S2-band (3.4 Ghz) uplink and C-band (5.8 Ghz) downlink using a single 60cm dish. The satellite antennas will be electrically steered to reduce spin modulation and allow use over 75% of the orbit.

2) An additional, fix-pointed, uplink will be available at L-band. This L-band uplink will require a separate uplink antenna at the ground station.

3) High rate data communications, such as streaming video, using a 2m dish on S2/C bands.

4) AMSAT will develop and make available an affordable ground segment for the ACP SYSTEM.

Additional information will be posted on amsat.org in the near future.

[ANS thanks the Eagle Design Team for the above information]

/EX

SB SAT @ AMSAT $ANS-281.02
More News From The 2006 AMSAT Space Symposium

AMSAT News Service Bulletin 281.02
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.02

This is the week of the 2006 AMSAT-NA Space Symposium in San Francisco. Amateur satellite designers and operators gathered to hear presentations about the Eagle, AO-51, PCSat2, ANDE, Raft, Psat, a new SUNSAT, KiwiSat, SSETI-Express, SESO and ESMO Satellites, University CubeSats along with a discussion exploring future launch opportunities.

Eagle Technology presentations included antennas for space communi-cation, a proposed Eagle Digital Communications Payload, and the Software Defined Transponder for Eagle. Presentations also included discussions of the existing spectrum available for the Amateur Satellite Service along with threats from encroachment on these frequencies by unlicensed wireless consumer devices.

ISS Expedition 12 Cmdr. Bill McArthur, KC5ACR gave the Keynote Address at the AMSAT Annual Banquet on Saturday evening.

This gathering is the forum for the AMSAT-NA Board of Directors meeting the AMSAT membership annual meeting, ARISS-International Delegates meeting, ARISS SuitSat meeting, Satellite Frequency Coordinators meeting, and the annual Area Coordinators meeting.

After the annual meetings the leadership team is pleased to announce the AMSAT Officers for the upcoming year:

President Rick Hambly, W2GPS
Executive Vice President Lee McLamb, KU4OS
Vice-President Operations Drew Glasbrenner, KO4MA
Vice-President Engineering Bob McGwier, N4HY
VP of Marketing and User Services (Position Open)
Secretary Barry Baines, WD4ASW
Treasurer Gunther Meisse, W8GSM
Manager Martha Saragovitz

The meetings and presentations are in progress at press time. AMSAT plans to provide additional information in the days and weeks to come.

[ANS thanks the Symposium Committee for the above information]

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SB SAT @ AMSAT $ANS-281.03
ARISS Plans for Expanded Role in Space

AMSAT News Service Bulletin 281.03
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.03

ARISS, the Amateur Radio on the International Space Station program, an amateur radio project sponsored in North America by the ARRL, AMSAT, and NASA reported on the outcome of planning meetings held recently.

Sponsorship of the ARISS program is moving from NASA Headquarters to Johnson Spaceflight Center (JSC) in Houston. ARISS International Chair Frank Bauer, KA3HDO, ARISS International Secretary-Treasurer Rosalie White, K1STO, Deputy Chair, Mark Steiner, K3MS, and NASA ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO recently held planning sessions with various JSC offices.

One future goal which will capture the imagination of many includes the exploration of an ARISS role in the "Moon, Mars and Beyond" initiative. They cited Amateur Radio's potential as a valuable tool to people living on the moon for several months at a time.

Amateur radio will continue to be available on the ISS. In addition to the exploration initiatives just beginning construction projects will continue to take place on the Space Station. While NASA foresees busy work schedules for the astronaut construction crews they also note that more astronauts will be available to get on the air.

[ANS thanks ARISS and ARRL for the above information]

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SB SAT @ AMSAT $ANS-281.04
PCSAT-1 Continues Operation

AMSAT News Service Bulletin 281.04
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.04

Since being recovered due to sufficient sunlight on its solar panels PCSAT-1 should remain NORMAL OPS for the next few weeks until it experiences an overload and resets. Then we lose it till December. The US Naval Academy Satellite Laboratory team requests that amateur radio users please adhere to these fundamental principles:

1) No unattended operations
2) No connections to or through PCSAT-1
3) UI digipeating and APRS packets only typically at 1 minute rates or so
4) Watch pcsat.aprs.org for live activity
5) Use the path of VIA PCSAT-1 or VIA ARISS
6) Minimize all packets after dark!

PCSAT-1 acts just like any terrestrial APRS digipeater. It willrespond to all of the existing and legacy paths that are used on APRS. They are:
RELAY
WIDE
WIDEn-N
TRACEn-N
and ARISS

If people want to keep track of their success on FINDU.COM, see: http://pcasat.aprs.org then they should not use a n-N path and should change their SSID so that their station call is unique for this space application. Otherwise, as soon as they use the same station again on terrestrial APRS, then the posit via the satellite will be overwritten.

Recent packets digipeated via PCSAT can also be viewed on-line at the PCSAT url mentioned above. The web site also includes a map showing the reported positions of stations digipeating APRS packets via PCSAT.

Enjoy PCSAT-1 and APRS! Make contacts, QSO, enjoy!

[ANS thanks Bob, WB4APR and the US Naval Academy Satellite Laboratory for the above information]

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SB SAT @ AMSAT $ANS-281.05
AMSAT Awards

AMSAT News Service Bulletin 281.05
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.05

Bruce, KK5DO AMSAT Director Contests and Awards say this week
congratulations go out to all of the following.

We would like to welcome the following to the satellite community.
They have made their first satellite contact and are now members
of the AMSAT Satellite Communicators Club.
Tim Tapio K4SHF
Neven Mrduljas 9A5YY
Richard Wiggin N1XED
Chow Chee Onn 9M2CCO

AMSAT Satellite Communications Achievement Award
Amir Findling K9CHP #435
William McArthur KC5ACR #436 from space
Dale Gates WA4AEJ #437
Richard Wiggin N1XED #438
Karl Doepel W3AFE #439

AMSAT Sexagesimal Award
William McArthur KC5ACR #141 from space

South Africa Satellite Communications Achievement Award
Dale Gates WA4AEJ #US97
Richard Wiggin N1XED #US98
Karl, Doepel W3AFE #US99

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-281.06
Arianespace to WebCast October 12 Launch

AMSAT News Service Bulletin 281.06
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.06

The fourth Arianespace launch of the year will boost three satellites
into orbit:
+ DIRECTV 9S for American operator DIRECTV, Inc.
+ OPTUS D1 for the Australian operator OPTUS
+ LDREX-2 for the Japan Aerospace Exploration Agency.

The launch window will be between 20:56 to 21:56 UTC on October, 12.

The webcast will be available at the following link:
http://www.videocorner.tv/index.php?langue=en
(Starting 15 minutes before lift-off).

Video streaming will be available in RealMedia and WindowsMedia formats.

[ANS thanks Jean Paul, FR5CY for the above information]

/EX

SB SAT @ AMSAT $ANS-281.07
NASA Seeks Undergrads To Experiment In Lunar And Zero Gravity

AMSAT News Service Bulletin 281.07
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.07

NASA is calling on college undergraduates interested in performing reduced gravity experiments onboard the agency's "Weightless Wonder" aircraft to submit their proposals by Monday, Oct. 30.

Each proposal will be evaluated for technical merit, safety and an outreach plan. The selected proposals will be announced Dec. 11 and flown in 2007. Selected teams may also invite a full-time, accredited journalist to participate with them to document the experience.

The Reduced Gravity Student Flight Opportunities Program at NASA's Johnson Space Center, Houston, has given undergraduate teams the chance to research, design, fabricate, fly and evaluate reduced gravity experiments annually since 1995. This will be the first time students can design their experiment for lunar gravity, which is one-sixth of Earth's.

NASA's modified McDonnell Douglas DC-9 jet aircraft will give flyers the feel of space, as it performs a series of steep climbs and freefalls over the Gulf of Mexico, creating multiple periods of reduced gravity. Each parabolic maneuver produces about 25 seconds of weightlessness, and by changing its flight path, the jet can produce periods of lunar gravity.

[ANS thanks NASA and SpaceDaily.com for the above information]

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SB SAT @ AMSAT $ANS-281.08
Square Mile Array Heading for Quiet RF Environment in Southern Hemisphere

AMSAT News Service Bulletin 281.08
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.08

Australia and Southern Africa have been short-listed as the countries to host the Square Kilometre Array (SKA), a giant next-generation radio telescope being developed by scientists in 17 countries.

The SKA will be a set of thousands of antennas, not a single giant instrument, spread over 3000 kilometres, but with half of the antennas located in a central region 5 kilometres across. The SKA will be 50 times more sensitive than the most powerful radio telescopes we now have. It will peer deep into the cosmos to pick up signs of the first stars and galaxies to form after the Big Bang. If there are extra-

terrestrial intelligences out there in the Milky Way with airport or ionospheric radars, the SKA will detect them.

For Australia, the core site is proposed to be at Mileura station, about 100 km west of Meekathara in Western Australia. Other dishes would be distributed over the Australian continent with the possibility of extension into New Zealand. In Southern Africa, the central location would be at the Karoo site in the Northern Cape region of South Africa, about 95 km from Carnarvon, with further dishes located in South Africa itself and in neighbouring African countries.

A key requirement of the core site is that there must be a very low level of man-made radio signals, because interference will mask the faint cosmic radio waves the telescope is designed to detect. South Africa and Australia are both making excellent progress towards protecting these unique environments with radio-quiet zones that will limit the use of radio transmitting equipment.

Further analysis of the short-listed sites will now be carried out, with the final decision on which of the two sites will host the SKA expected towards the end of the decade.

For photos and the full story see:
http://www.universetoday.com/2006/10/02/giant-radio-telescope-may-go-to-australia-or-africa/

[ANS thanks UniverseToday.com and the Jodrell Bank Radio Observatory for the above information]

/EX

SB SAT @ AMSAT $ANS-281.09
ARISS Status for the Week of October 2, 2006

AMSAT News Service Bulletin 281.09
>From AMSAT HQ SILVER SPRING, MD.
October 8, 2006
To All RADIO AMATEURS
BID: $ANS-281.09

1. Swiss School Contact Update

On Friday, September 22, Thomas Reiter, DF4TR, spoke with students from the Gymnase Intercantonal de la Broye in Payerne, Switzerland. The students gathered at the Musee de l'aviation militaire, the Swiss Air Force Museum. This was a highly publicized event and was attended by many VIPs including representatives from education, ESA and the Swiss Astronautics Society as well as Swiss astronaut Claude Nicollier, HB9CN. It received extensive media coverage from numerous newspapers, television stations (Nord Vaudois, Suisse Romande) and radio stations (Fribourg). The video was streamed over schoolnet.ch/ariss. It is estimated that approximately 650,000 heard of the contact via the radio and television broadcasts. For more details on the contact, go to:

http://www.ariss-eu.org/2006_09_27.htm

2. Upcoming School Contacts

The ARISS team continues to work on scheduling the Expedition 14
school contacts.

3. ARRL Article on Three ARISS Contacts

ARRL wrote an article covering the three contacts made from the ISS on
September 22. "Civilian Space Traveler, Astronauts Pull Off ARISS Ham
Radio Triple Header" may be found at:
http://www.arrl.org/news/stories/2006/09/27/101/?nc=1

4. School Teacher Makes General Contacts with ISS

A teacher (callsign N8MS) from Coloma Junior High School, located in
Southwest Michigan, had an unscheduled contact with the International
Space Station on Tuesday March 21, 2006 when Bill McArthur answered
12 of his students' questions. His class was also able to contact
Anousheh Ansari during her stay on the ISS and have her answer a
few questions. The audio from his most recent contact may be heard on
Anousheh's space blog,
http://spaceblog.xprize.org/2006/09/28/n8ms-ham-radio-contact/

5. Arizona Class Listens to Space Participant on Radio

A teacher from Pueblo Magnet School in Tucson, Arizona wrote to say
that he and his students listened to space participant Anousheh Ansari
with a very simple radio station, and could hear her for a short while,
although they did not connect. He felt this opportunity of hearing
someone on the Space Station motivated his students and that it was a
very good lesson for them in tracking space vehicles.

6. ARRL Article on Expedition 13

ARRL posted a short story covering Expedition 13 crew members returning
to Earth. See: http://www.arrl.org/?artid=6830

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

372. WSR-282 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-10-12 14:51:50 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <aEsXg.12883$UG4.4159@newsread2.news.pas.earthlink.net>
Source record: 1428

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-282.S1
WSR 282 Part 1 10/09/2006

AMSAT NEWS SERVICE BULLETIN 282.S1 FROM AMSAT HQ
SILVER SPRING, MD, October 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-282.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - FM 67 Hz PL Tone
PBBS - V/U - 9k6
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10092006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat/sats/n7hpr/fo29.html
[11132005]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530

Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-282.S2
WSR 282 Part 2 10/09/2006

AMSAT NEWS SERVICE BULLETIN 282.S2 FROM AMSAT HQ
SILVER SPRING, MD, October 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-282.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV

Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U - FM 67 Hz PL Tone
PBBS - V/U - 9k6
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10092006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day
transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]

=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-282.S3
WSR 282 Part 3 10/09/2006

AMSAT NEWS SERVICE BULLETIN 282.S3 FROM AMSAT HQ
SILVER SPRING, MD, October 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-282.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2

Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:

http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz

Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu

[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====

SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:

http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-282.S4
WSR 282 Part 4 10/09/2006

AMSAT NEWS SERVICE BULLETIN 282.S4 FROM AMSAT HQ
SILVER SPRING, MD, October 09, 2006
TO ALL RADIO AMATEURS
BID: $ANS-282.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)

* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

373. Working AO-51 with TH-G71

Newsgroup: rec.radio.amateur.space
Date: 2006-10-15 12:58:14 UTC
From: Pete Badham <pete@g0wxj.demon.co.uk>
Message-ID: <egtb98mde1$8300dec7@news.demon.co.uk>
Source record: 1429

Hi gang,

With JOTA coming up, I am keen to have a try at working AO-51. It would appear to be easier if you have duplex on the handie, but the TH-G71 doen't have this function, anyone had any success using this handie to work this sat?

Pete G0WXJ

374. Re: How to receive ISS images ?

Newsgroup: rec.radio.amateur.space
Date: 2006-10-15 14:13:56 UTC
From: Ted <Ted@nospam.com>
Message-ID: <EmrYg.9751$Y24.6625@newsread4.news.pas.earthlink.net>
Source record: 1430
Cross-posted to: rec.radio.amateur.space,sci.space.station

Check out section 4.9 in the ISS familiarization manual (PDF page 110):

http://www1.jsc.nasa.gov/er/seh/td9702.pdf

"Henry Spencer" <henry@spsystems.net> wrote in message
news:J5vGnD.CF@spsystems.net...
> In article <450e8824@news.vo.lu>, <Thierry> wrote:
>>> You can't. They go to a TDRS and I believe get encrypted.
>>
>>In theory, as ISS is quite low on orbit, and if the TDRS linked satellite
>>is
>>over my country (data easy to get using a software lik Thesky or any other
>>tracking software la Prbitron), using a large parabolic antenna or even
>>a
>>dipole, it shouldn't be possible to get the signal ?
>
> Remember, these signals are not being broadcast -- they are beamed upward
> to TDRS (in geostationary orbit), at microwave frequencies where even
> modest-sized antennas are quite directional. Similarly, TDRS is not
> broadcasting them -- it beams them downward to the TDRS ground station at
> White Sands. Even when ISS is nearby, you're nowhere near either beam, so
> any signal leakage would be very weak.
>
> With a large dish antenna you could probably detect the carrier, but
> demodulating it would be quite a challenge with such a weak signal.
>
> And once you do demodulate it, what you've got is not a video signal, but
> a fast digital bit stream. Some of the bits are compressed video; some
> aren't. The format is certainly complex, almost certainly a custom design
> rather than anything standard (remember that it is 15-20 years old -- ISS
> development started a long time ago), and probably poorly documented.
>
> Finally, as others have mentioned, it's quite likely to be encrypted.
> --
> spsystems.net is temporarily off the air; | Henry Spencer
> mail to henry at zoo.utoronto.ca instead. |
> henry@spsystems.net

375. WSR-289 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-10-24 15:22:18 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <Kcq%g.12271$Lv3.5135@newsread1.news.pas.earthlink.net>
Source record: 1431

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-289.S1
WSR 289 Part 1 10/16/2006

AMSAT NEWS SERVICE BULLETIN 289.S1 FROM AMSAT HQ
SILVER SPRING, MD, October 16, 2006
TO ALL RADIO AMATEURS
BID: $ANS-289.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Low Power Users
V/U - QRP/JOTA
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10162006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage:
http://www.amsat.org/amsat-new/satellites/satInfo.php?sat
ID=5&retURL=/satellites/status.php
[10162006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://www.ao27.org
[01012006]

=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-289.S2
WSR 289 Part 2 10/16/2006

AMSAT NEWS SERVICE BULLETIN 289.S2 FROM AMSAT HQ
SILVER SPRING, MD, October 16, 2006
TO ALL RADIO AMATEURS
BID: $ANS-289.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:

http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U
V/U - QRP/JOTA
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear

U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10162006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace
xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from
the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the
satellite
behaves in the same way as it did last year, regular 10 day

transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-289.S3
WSR 289 Part 3 10/16/2006

AMSAT NEWS SERVICE BULLETIN 289.S3 FROM AMSAT HQ
SILVER SPRING, MD, October 16, 2006
TO ALL RADIO AMATEURS
BID: $ANS-289.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB

Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]

=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:

http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-289.S4
WSR 289 Part 4 10/16/2006

AMSAT NEWS SERVICE BULLETIN 289.S4 FROM AMSAT HQ
SILVER SPRING, MD, October 16, 2006
TO ALL RADIO AMATEURS
BID: $ANS-289.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)

* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

376. ANS-288 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-10-24 15:22:20 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <Mcq%g.12272$Lv3.7940@newsread1.news.pas.earthlink.net>
Source record: 1432

AMSAT NEWS SERVICE
ANS-288

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* FCC Rules Changes Affect Amateur Radio Space Operations
* AO-51 QRP Repeater to be Activated for JOTA on October 21-22
* Satellite DX - Sudan Active During October
* Help Wanted: AMSAT News Service Rotating Editor Positions Available
* Thirty Songs To Be Broadcast From Lunar-Probing Satellite
* PCSAT-1 Enters Negative Power Budget Due to Eclipse
* ARISS Status for the Week of October 9, 2006

SB SAT @ AMSAT $ANS-288.01
FCC Rules Changes Affect Amateur Radio Space Operations

AMSAT News Service Bulletin 288.01
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.01

The Federal Communications Commission released a Report and Order which modifies several amateur radio regulations. Several aspects of the amateur rules are addressed. Two key areas will affect operators interested in space communications. These include:

+ Retransmission of Space Station Communications
+ Space Station Launch Notification (to the FCC)

Current FCC rules prohibit amateur stations from retransmitting programs or signals emanating from any other type of radio station with certain exceptions including allowing amateur stations to retransmit communications originating on United States Government frequencies between a space shuttle spacecraft and associated Earth stations. The FCC will amend its rules to additionally allow re-transmission of communications between Earth stations and the Inter-national Space Station. The FCC agreed that retransmission of space

communications is a public service that may be used as an educational
resource.

Another rules change involves the required timing of notification to
the FCC to launch and initiate transmissions from orbiting satellites
in the Amateur Satellite Service.

The Commission left existing rules in effect in regards to orbital
space debris mitigation from amateur satellites.

Full details can be found in the documents available on-line at:
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-149A1.pdf
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-149A1.txt
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-149A1.doc

[ANS thanks the FCC for the above information]

/EX

SB SAT @ AMSAT $ANS-288.02
AO-51 QRP Repeater to be Activated for JOTA on October 21-22

AMSAT News Service Bulletin 288.02
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.02

The AO-51 Operations Group announced plans for AMSAT's support of the
Jamboree on the Air event (JOTA) on the weekend of October 21st and 22nd.
AO-51 will run in dual repeater mode with the 435.150 QRP repeater reserved
for JOTA contacts on the weekend. Please yield the 435.150 repeater to
JOTA contacts, especially between two JOTA stations. The normal AO-51 QRP
rules apply: 10 watts to omni or handheld antennas only.

Visit the AO-51 schedule at:
http://www.amsat.org/amsat-new/echo/ControlTeam.php

[ANS thanks the AO-51 Operations Group for the above information]

/EX

SB SAT @ AMSAT $ANS-288.03
Satellite DX - Sudan Active During October

AMSAT News Service Bulletin 288.03
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.03

A two week window of opportunity for satellite DX into Sudan may
give amateurs in Africa, Europe and the Middle East a contact into
a new country. ST2NH, operator Nader, has made contacts via FO-29
with stations in Europe.

[ANS thanks Domenico, I8CVS and Carles, EB3FYM for the above information]

/EX

SB SAT @ AMSAT $ANS-288.04
Help Wanted: AMSAT News Service Rotating Editor Positions Available

AMSAT News Service Bulletin 288.04
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.04

The AMSAT News Service (ANS) is responsible for researching, writing, editing, and publishing the weekly amateur satellite news bulletins. We have a team of editors who take a turn weekly to publish the bulletins. This generally involves taking a turn about every 4 weeks.

At present we a looking for interested satellite enthusiasts to join the ANS editorial team. Professional writing/editing experience is not a requirement. Your interest and enthusiasm in following and reporting on amateur radio in space will get you started!

If you can commit to working on the bulletins for a week on a rotating basis please reply to JoAnne K9JKM, ANS Senior Editor at k9jkm@amsat.org.

[ANS thanks AMSAT for the above information]

/EX

SB SAT @ AMSAT $ANS-288.05
Thirty Songs To Be Broadcast From Lunar-Probing Satellite

AMSAT News Service Bulletin 288.05
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.05

China announced a list of 30 songs to be broadcast to Earth next year from its first lunar-probing satellite. The Commission of Science, Technology and Industry for National Defense, in charge of the lunar project, announced Friday a list of 30 tunes to be played from the lunar-probing satellite.

The lunar satellite is designed to obtain 3D images of the lunar surface, analyze the content of useful elements and materials, and probe the depth of the lunar soil and the space environment between the earth and the moon.

The satellite will be 2,350 kg in weight with 130 kg of payload, and will orbit the moon for one year. A Chinese Long March III A carrier rocket will be used to launch the satellite.

The satellite launch at the Xichang Satellite Launch Center in southwest China's Sichuan Province next year will be followed by the landing of an

unmanned vehicle on the moon in 2010 and collecting samples of lunar soil with an unmanned vehicle in 2020.

[ANS thanks SpaceDaily.com for the above information]

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SB SAT @ AMSAT $ANS-288.06
PCSAT-1 Enters Negative Power Budget Due to Eclipse

AMSAT News Service Bulletin 288.06
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.06

On 11 Oct, after a full 2 weeks of normal operations, PCSAT-1 returned to negative power budget with the default callsign of W3ADO-1. Bob, WB4APR of the US Naval Academy Satellite Lab said, "We have tried on several orbits to restore all parameters, but they are all lost during the next eclipse 30 minutes later."

Bob continues, "So it looks like we will not have reliable APRS digipeating until the next full sun period in the first week of January and then again in the middle of April. But then it should really be fun, because there will be 3 APRS satellites all in orbit at the same time on 145.825."

[ANS thanks Bob, WB4APR for the above information]

/EX

SB SAT @ AMSAT $ANS-288.07
ARISS Status for the Week of October 9, 2006

AMSAT News Service Bulletin 288.07
>From AMSAT HQ SILVER SPRING, MD.
October 15, 2006
To All RADIO AMATEURS
BID: $ANS-288.07

1. Upcoming School Contacts

The ARISS team continues to work on scheduling the Expedition 14 school contacts. The next one is expected to take place at the end of October.

2. AMSAT/ARISS Meetings Held

The AMSAT-NA Annual Meeting/Space Symposium was held October 5 - 8 in San Francisco. ARISS Chairman Frank Bauer gave two presentations during the Symposium. The first speech given covered the tenth anniversary of ARISS and the second was on the SuitSat-2 project. Astronaut Bill McArthur, KC5ACR, was the keynote speaker at the AMSAT banquet on Saturday evening. Conferences continue as the ARISS International

Team Face to Face Meeting kicks off today, October 9.

3. ARISS Members Visit JSC

In August, ARISS-U.S. team members visited several NASA offices in Houston to discuss the future of Amateur Radio in space. ARRL reported on this in its story, "ARISS Team 'Always on a Roll,' ARRL Liaison Says."
See: http://www.arrl.org/news/stories/2006/10/03/101/?nc=1

The article also appeared in the ARRL Letter:
http://www.arrl.org/arrlletter/06/1006/

4. ESA Article on Greek Contact

Students attending the ESA Space Camp in Patras, Greece enjoyed the experience of speaking with Thomas Reiter, DF4TR. ESA Education ran an article on the event.
See: http://www.esa.int/esaED/SEMYH76LARE_index_0.html

[ANS thanks Carol, KB3LKI for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

377. ANS-295 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-10-24 15:22:23 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <Pcq%g.12273$Lv3.3005@newsread1.news.pas.earthlink.net>
Source record: 1433

AMSAT NEWS SERVICE
ANS-295

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* Japanese HITSAT Designated as HO-59
* AO-27 Still Silent
* OSCAR-11 Heard Again
* Tax Deductible Gifts to AMSAT
* Satellite DX Opportunities for Africa and Asia
* Good News From Ariane 5 Launch
* NASA Offers Challenge to K-12 Students
* ARISS Status for the Week of October 16, 2006

SB SAT @ AMSAT $ANS-295.01
Japanese HITSAT Designated as HO-59

AMSAT News Service Bulletin 295.01
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.01

AMSAT's OSCAR Designation Coordinator, Bill Tynan, W3XO announced this week that the Japanese HITSAT satellite has been given an OSCAR number.

Bill wrote to the HITSAT Team at the Hokkaido Institute of Technology, "By the authority vested in me by the AMSAT-NA President, I am pleased to issue an OSCAR number for the HIT-SAT amateur radio satellite. From what I can determine, HIT-SAT complies with all of the requirements for an OSCAR number. Therefore, HIT-SAT will henceforth be known as HIT-SAT-OSCAR-59 or HO-59."

Bill concluded with, "AMSAT-NA and I wish to congratulate you and your entire team for the successful construction, testing and launching of HIT-SAT. Your work inspires others to follow your lead."

The CubeSat has the callsign JR8YJT. At present it is transmitting CW telemetry on 437.275 MHz with a transmitter power of 100 mW. The 1200 baud FM Packet downlink on 437.425 MHz is active only when the satellite is over Japan.

Once it's fully operational, HIT-SAT will permit Earth station operators to request certain parameters by transmitting DTMF commands on the 145.980 MHz uplink. The satellite can report back time/date, temperature and power supply voltages and thank the Earth station by call sign. Only HIT-SAT ground station controllers can access the satellite at this point, however.

[ANS thanks Bill Tynan, W3XO for the above information]

/EX

SB SAT @ AMSAT $ANS-295.02
AO-27 Still Silent

AMSAT News Service Bulletin 295.02
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.02

Michael, N3UC, one of AO-27's controllers reported on October 17, "For the last 5 weeks ground controllers have been trying to contact AO-27. At this point we have not been able to turn it on. We still have a few tricks that we are planning on trying but these take time. We are hoping that we can re-establish communications. At this time, we don't have an estimate for when AO-27 will be back on the air. The satellite is now in its 14th year on orbit. We will continue to try to recover AO-27 until we run out of ideas."

AO-27 was last heard in May 2006 prior to its entering its eclipse season. When the satellite's solar cells were not receiving enough illumination it meanth the batteries are dropping below the watchdog values and turning off the controller schedule.

The latest AO-27 information can be found on-line at:
http://www.ao27.org.

[ANS thanks Michael, N3UC for the above information]

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SB SAT @ AMSAT $ANS-295.03
OSCAR-11 Heard Again

AMSAT News Service Bulletin 295.03
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.03

Clive, G3CWV reports that OSCAR-11 is back! He said, "It was first heard by Peter ZL3TC, October 18, and later by Paul KB5MU. It had been silent since August 26. Many thanks for those reports."

OSCAR-11 requires illumination of its solar panels to work. Clive continued, "I heard very strong signals on October 19 07:28 UTC pass. If the watchdog cycle continues to operate normally, the 145.826 MHz. beacon should transmit until around 28 October."

More OSCAR-11 information can be found at Clive's website: http://www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV for the above information]

/EX

SB SAT @ AMSAT $ANS-295.04
Tax Deductible Gifts to AMSAT

AMSAT News Service Bulletin 295.04
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.04

Gunther, W8GSM, AMSAT Treasurer said this week, "Often AMSAT members have asked if they can make a contribution to AMSAT via their local United Way drive?"

According to Leslie J. Talley, Director, Community and Public Sector Workplace Campaigns at the National U-W office who informed Gunther that there are NO national agencies within U-W. Every agency that wishes to be eligible to receive donations must go through that local U-W campaign office and seek approval.

Gunther continues, "With that in mind, I would encourage anyone who wishes to make such a gift to call their local U-W director and ask if they will allow such a gift to AMSAT. AMSAT does not have the staff to canvas the country and establish these hundreds of relation-ships."

One alternative is to just reduce your U-W gift and write a check to AMSAT. Both are tax deductible as charitable donations. (Check with your individual tax advisor to review your specific circumstances and deductibility).

U.S. Federal Employees - Again this year AMSAT is a member of the Combined Federal Campaign (CFC). The mission of the CFC is to promote and support philanthropy through a program that is employee focused, cost-efficient, and effective in providing all federal employees the opportunity to improve the quality of life for all. As the world's largest and most successful annual workplace giving campaign, each year, more than 300 CFC campaigns throughout the country and internationally help to raise millions of dollars for eligible non-profit organizations.

Gunther Meisse, AMSAT treasurer has announced that any Federal employee can make a contribution to your Radio Amateur Satellite Corporation when they complete their pledge for 2006.

AMSAT is listed as Agency Number CFC 2944

Your contribution directly supports AMSAT's educational outreach and satellite construction projects including work on AMSAT-Eagle. Pledges may be made by Federal civilian, postal and military donors during the campaign season.

The campaign runs from September 1st to December 15th, 2006.

To learn more about CFC visit the CFC website at:
http://www.opm.gov/cfc/

[ANS thanks Gunther, W8GSM for the above information]

/EX

SB SAT @ AMSAT $ANS-295.05
Satellite DX Opportunities for Africa and Asia

AMSAT News Service Bulletin 295.05
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.05

Nicolas F4EGX announced he will be active on satellites during his travel to the Archipelago of Crozet from Possession Island between mid-November to early December 2006. During his spare time, he will operate FT1WM on the amateur radio satellites.

South Africa, Madagascar, Mauritius and the Antarctic will be within range for contacts from Crozet via AO-51, SO-50, and the ISS reapeter if it is active. Possible digital activity via ISS or PCSAT-1 will be attempted.

More information is available at:
http://f4avi.homelinux.net/f4egx/cro2006.html.

A satellite DX opportunity for Asian satellite operators was received this week. The TAMSAT Group and Siam DX Group have announced a trip to Cambodia during November 20-26, 2006. The group will use an XU7 callsign from Seehanuview or Kumpongsom. QSOs are planned for the FO-29, SO-50, AO-51, and VO-52 in CW, SSB, FM modes, as appropriate. Additional information will be available on the group's website at:
http://www.tamsat.org/bb.

[ANS thanks Nicolas, F4EGX for the Crozet information and Tanan, HS1JAN for the Cambodia information]

/EX

SB SAT @ AMSAT $ANS-295.06
Good News From Ariane 5 Launch

AMSAT News Service Bulletin 295.06
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.06

The fourth Ariane 5 launch Of 2006 performed flawlessly. On 13 October 2006, an Ariane 5 ECA launcher lifted off from Europe's Spaceport in French Guiana on its mission to place two satellites into geostationary transfer orbits and deploy a demonstration antenna. The satellites were accurately injected into the correct transfer orbits about 30 minutes later.

The payload satellites were DIRECTV 9S, which will supply television broadcast services to the contiguous United States of America, Alaska and Hawaii, and Optus D1, which will provide fixed communications and satellite broadcast services over Australia and New Zealand.

The mission also carried an additional passenger, mounted on the Ariane Structure for Auxiliary Payloads (ASAP) platform at the base of the payload stack. The Japanese Space Agency's LDREX-2, a 1/25th scale version of an antenna that will be used on the ETS-8 engineering test satellite, was flown to validate the deployment process of the lightweight reflector.

[ANS thanks SpaceDaily.com for the above information]

/EX

SB SAT @ AMSAT $ANS-295.07
NASA Offers Challenge to K-12 Students

AMSAT News Service Bulletin 295.07
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.07

The International Space Station is growing, and NASA's Node 2 is the next U.S. pressurized module scheduled for installation on the orbiting laboratory. The node will provide more room for station crews to live and work, but it needs a name.

Students in kindergarten through grade 12 attending U.S. schools and children of American personnel overseas are being asked to help NASA name the module and become part of the history of the station. The module is at NASA's Kennedy Space Center, Fla., and is targeted for launch in late 2007. The node will be a connecting port and passageway to additional international science labs and space supply vehicles. It also will be a work platform for the station's robotic arm.

Name the International Space Station Node 2 Challenge requires students to work together as a class or school to create their own Node 2 model. Students will name their node, write a brief description explaining the choice and take digital pictures to send to NASA.

The submitted image of the model will not be judged, but it will be the ticket to enter the name challenge. Submissions will be reviewed by a panel of NASA scientists, engineers and educators. The deadline to submit model images and names is Dec. 1. The winning entry will be announced in early 2007. To register a school or class, teachers or administrators should send an email to: NASA-ESC@nasa.gov.

For information about Node 2, visit: http://www.nasa.gov/mission_pages/station/structure/elements/node2.html

For additional information about the Space Station Node 2 Challenge, visit: http://esc.nasa.gov

[ANS thanks NASA for the above information]

/EX

SB SAT @ AMSAT $ANS-295.08
ARISS Status for the Week of October 16, 2006

AMSAT News Service Bulletin 295.08
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.08

1. Upcoming School Contacts

The school contact that was tentatively planned for the end of October was not approved due to the Progress 23P docking and related activities. ARISS continues to work on scheduling school contacts for Expedition 14.

2. ARISS International Meeting Held

The ARISS International Team meeting was held in San Francisco on Monday and Tuesday, October 9 - 10 and a SuitSat-2 technical discussion took place on October 8. Presentations given included delegate reports from each region, onboard radio systems, and slow scan television (SSTV). Minutes and presentations will be posted to the AMSAT and ARISS websites in the near future.

3. Expedition 13 Crew Debrief

The ARISS-U.S. team has compiled questions for the crew debrief with Jeff Williams, KD5TVQ. ARISS-Russia expects to speak with the crew this week.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

378. ANS-295 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-10-26 21:04:18 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <mp90h.278$zf.140@newsread3.news.pas.earthlink.net>
Source record: 1434

AMSAT NEWS SERVICE
ANS-295

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* Japanese HITSAT Designated as HO-59
* AO-27 Still Silent
* OSCAR-11 Heard Again
* Tax Deductible Gifts to AMSAT
* Satellite DX Opportunities for Africa and Asia
* Good News From Ariane 5 Launch
* NASA Offers Challenge to K-12 Students
* ARISS Status for the Week of October 16, 2006

SB SAT @ AMSAT $ANS-295.01
Japanese HITSAT Designated as HO-59

AMSAT News Service Bulletin 295.01
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.01

AMSAT's OSCAR Designation Coordinator, Bill Tynan, W3XO announced this week that the Japanese HITSAT satellite has been given an OSCAR number.

Bill wrote to the HITSAT Team at the Hokkaido Institute of Technology, "By the authority vested in me by the AMSAT-NA President, I am pleased to issue an OSCAR number for the HIT-SAT amateur radio satellite. From what I can determine, HIT-SAT complies with all of the requirements for an OSCAR number. Therefore, HIT-SAT will henceforth be known as HIT-SAT-OSCAR-59 or HO-59."

Bill concluded with, "AMSAT-NA and I wish to congratulate you and your entire team for the successful construction, testing and launching of HIT-SAT. Your work inspires others to follow your lead."

The CubeSat has the callsign JR8YJT. At present it is transmitting CW telemetry on 437.275 MHz with a transmitter power of 100 mW. The 1200 baud FM Packet downlink on 437.425 MHz is active only when the satellite is over Japan.

Once it's fully operational, HIT-SAT will permit Earth station operators to request certain parameters by transmitting DTMF commands on the 145.980 MHz uplink. The satellite can report back time/date, temperature and power supply voltages and thank the Earth station by call sign. Only HIT-SAT ground station controllers can access the satellite at this point, however.

[ANS thanks Bill Tynan, W3XO for the above information]

/EX

SB SAT @ AMSAT $ANS-295.02
AO-27 Still Silent

AMSAT News Service Bulletin 295.02
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.02

Michael, N3UC, one of AO-27's controllers reported on October 17, "For the last 5 weeks ground controllers have been trying to contact AO-27. At this point we have not been able to turn it on. We still have a few tricks that we are planning on trying but these take time. We are hoping that we can re-establish communications. At this time, we don't have an estimate for when AO-27 will be back on the air. The satellite is now in its 14th year on orbit. We will continue to try to recover AO-27 until we run out of ideas."

AO-27 was last heard in May 2006 prior to its entering its eclipse season. When the satellite's solar cells were not receiving enough illumination it meanth the batteries are dropping below the watchdog values and turning off the controller schedule.

The latest AO-27 information can be found on-line at:
http://www.ao27.org.

[ANS thanks Michael, N3UC for the above information]

/EX

SB SAT @ AMSAT $ANS-295.03
OSCAR-11 Heard Again

AMSAT News Service Bulletin 295.03
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.03

Clive, G3CWV reports that OSCAR-11 is back! He said, "It was first heard by Peter ZL3TC, October 18, and later by Paul KB5MU. It had been silent since August 26. Many thanks for those reports."

OSCAR-11 requires illumination of its solar panels to work. Clive continued, "I heard very strong signals on October 19 07:28 UTC pass. If the watchdog cycle continues to operate normally, the 145.826 MHz. beacon should transmit until around 28 October."

More OSCAR-11 information can be found at Clive's website: http://www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV for the above information]

/EX

SB SAT @ AMSAT $ANS-295.04
Tax Deductible Gifts to AMSAT

AMSAT News Service Bulletin 295.04
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.04

Gunther, W8GSM, AMSAT Treasurer said this week, "Often AMSAT members have asked if they can make a contribution to AMSAT via their local United Way drive?"

According to Leslie J. Talley, Director, Community and Public Sector Workplace Campaigns at the National U-W office who informed Gunther that there are NO national agencies within U-W. Every agency that wishes to be eligible to receive donations must go through that local U-W campaign office and seek approval.

Gunther continues, "With that in mind, I would encourage anyone who wishes to make such a gift to call their local U-W director and ask if they will allow such a gift to AMSAT. AMSAT does not have the staff to canvas the country and establish these hundreds of relation-ships."

One alternative is to just reduce your U-W gift and write a check to AMSAT. Both are tax deductible as charitable donations. (Check with your individual tax advisor to review your specific circumstances and deductibility).

U.S. Federal Employees - Again this year AMSAT is a member of the Combined Federal Campaign (CFC). The mission of the CFC is to promote and support philanthropy through a program that is employee focused, cost-efficient, and effective in providing all federal employees the opportunity to improve the quality of life for all. As the world's largest and most successful annual workplace giving campaign, each year, more than 300 CFC campaigns throughout the country and internationally help to raise millions of dollars for eligible non-profit organizations.

Gunther Meisse, AMSAT treasurer has announced that any Federal employee can make a contribution to your Radio Amateur Satellite Corporation when they complete their pledge for 2006.

AMSAT is listed as Agency Number CFC 2944

Your contribution directly supports AMSAT's educational outreach and satellite construction projects including work on AMSAT-Eagle. Pledges may be made by Federal civilian, postal and military donors during the campaign season.

The campaign runs from September 1st to December 15th, 2006.

To learn more about CFC visit the CFC website at:
http://www.opm.gov/cfc/

[ANS thanks Gunther, W8GSM for the above information]

/EX

SB SAT @ AMSAT $ANS-295.05
Satellite DX Opportunities for Africa and Asia

AMSAT News Service Bulletin 295.05
From AMSAT HQ SILVER SPRING, MD.
October 22, 2006
To All RADIO AMATEURS
BID: $ANS-295.05

Nicolas F4EGX announced he will be active on satellites during his travel to the Archipelago of Crozet from Possession Island between mid-November to early December 2006. During his spare time, he will operate FT1WM on the amateur radio satellites.

South Africa, Madagascar, Mauritius and the Antarctic will be within range for contacts from Crozet via AO-51, SO-50, and the ISS reapeter if it is active. Possible digital activity via ISS or PCSAT-1 will be attempted.

More information is available at:
http://f4avi.homelinux.net/f4egx/cro2006.html.

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For information about Node 2, visit: http://www.nasa.gov/mission_pages/station/structure/elements/node2.html

For additional information about the Space Station Node 2 Challenge, visit: http://esc.nasa.gov

[ANS thanks NASA for the above information]

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SB SAT @ AMSAT $ANS-295.08
ARISS Status for the Week of October 16, 2006

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73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

379. WSR-296 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-10-26 21:04:22 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <qp90h.279$zf.180@newsread3.news.pas.earthlink.net>
Source record: 1435

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-296.S1
WSR 296 Part 1 10/23/2006

AMSAT NEWS SERVICE BULLETIN 296.S1 FROM AMSAT HQ
SILVER SPRING, MD, October 23, 2006
TO ALL RADIO AMATEURS
BID: $ANS-296.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U with Tone
PBBS - V/U 9k6 Digital, V/U, PBP BBS (Pacsat
Broadcas
Protocol BBS)
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10232006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage:
http://www.amsat.org/amsat-new/satellites/satInfo.php?sat
ID=5&retURL=/satellites/status.php
[10162006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact

AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====

INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-296.S2
WSR 296 Part 2 10/23/2006

AMSAT NEWS SERVICE BULLETIN 296.S2 FROM AMSAT HQ
SILVER SPRING, MD, October 23, 2006
TO ALL RADIO AMATEURS
BID: $ANS-296.S2

CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/U with Tone
PBBS - V/U 9k6 Digital, V/U, PBP BBS (Pacsat
Broadcas
Protocol BBS)
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10232006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM

1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBeacon: 435.025 MHz. ... OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Reception reports are requested to be sent to xxxxx@amsat.org (replace xxxxx
by g3cwv), or post to AMSAT-BB.

During the period 15 June to 17 July 2006 nothing has been heard from the
satellite. It was last heard on 05 May, just one day before the solar
eclipses were due to start. These eclipses will continue until 04 August
2006, reaching a maximum duration of 22% around 19 June. If the satellite
behaves in the same way as it did last year, regular 10 day transmissions
should re-start, sometime in August.

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[07172006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice

Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-296.S3
WSR 296 Part 3 10/23/2006

AMSAT NEWS SERVICE BULLETIN 296.S3 FROM AMSAT HQ
SILVER SPRING, MD, October 23, 2006
TO ALL RADIO AMATEURS
BID: $ANS-296.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442

Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11

BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz

Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====

NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]

=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-296.S4
WSR 296 Part 4 10/23/2006

AMSAT NEWS SERVICE BULLETIN 296.S4 FROM AMSAT HQ
SILVER SPRING, MD, October 23, 2006
TO ALL RADIO AMATEURS
BID: $ANS-296.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

380. ANS-302 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-02 18:03:03 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <rpq2h.1020$L6.474@newsread3.news.pas.earthlink.net>
Source record: 1436

AMSAT NEWS SERVICE
ANS-302

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* AO-51 Nov/Dec Schedule
* AMSAT Engineering Team Appointments
* Eagle Structure and Mechanical Team Leader
* Bonaire To Be Active On Satellites
* Florida AMSAT Net
* ARISS Status - 23 October 2006

SB SAT @ AMSAT $ANS-302.01
AO-51 Nov/Dec Schedule

AMSAT News Service Bulletin 302.01
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS
BID: $ANS-302.01

October 30 to November 6
Cross Mode Repeater, V(SSB)/U(FM)
Uplink: 145.880 MHz USB
Downlink: 435.300 MHz FM

November 6 to November 13
FM Repeater, V/S
Uplink: 145.920 MHz FM, No PL Tone
Downlink: 2401.200 MHz FM

November 13 to December 4
Normal Mode
FM Repeater, V/U
Uplink: 145.920 MHz FM, 67 hz PL Tone
Downlink: 435.300 MHz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 MHz FM, 9k6 PBP Digital

Downlink: 435.150 MHz FM, 9k6 PBP Digital

December 4 to December 8
FM Repeater, L/S
Uplink: 1268.700 MHz FM, No PL Tone
Downlink: 2401.200 MHz FM

December 8 to December 11 New Mode!
Cross Mode Repeater, L(SSB)/U(FM)
Uplink: 1268.700 MHz USB
Downlink: 435.300 MHz FM

December 11 to January 8
Normal Mode
FM Repeater, V/U
Uplink: 145.920 MHz FM, 67 hz PL Tone
Downlink: 435.300 MHz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 MHz FM, 9k6 PBP Digital
Downlink: 435.150 MHz FM, 9k6 PBP Digital

AMSAT-NA has an Operations Group and email address for AO-51 satellite users to submit requests and ideas for the Experimenters Wednesday sessions. The group will also take suggestions for the normal weeklong operational periods as well. Every member of the Operations Group will receive emails from this address. This is your chance, the amateur satellite user, to request from the AO-51 Operations Group the modes you are interested in seeing operated on the satellite during the weekly Wednesday sessions. Do not expect a reply to every email, as there will not be time to respond to each one, but your input will be noted. The email address to send your requests or ideas to the Operations Group is:

ao51-modes@amsat.org

The AO-51 Operations Group is made up of AMSAT Members who are also AO-51 users. The Operations Group works with the Command Team to create the monthly schedule for the satellite.

73 KO4MA For AO-51 Operations Group
(KO4MA, WD9EWK/VA7EWK, N8MH, OZ1MY, VK5HI, KE4AZN, WA4SXM)

[ANS thanks Drew, KO4MA, for the above information]

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SB SAT @ AMSAT $ANS-302.02
AMSAT Engineering Team Appointments

AMSAT News Service Bulletin 302.02
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS
BID: $ANS-302.02

Bob McGwier, N4HY, AMSAT Vice President of Engineering has announced the following appointments to help lead various aspects of AMSAT's engineering efforts.

Jim Sanford, WB4GCS, as Eagle project manager
Lou McFadin, W5DID, as Manned Space chief engineer
Bob Davis, KF4KSS, as lab director and spacecraft integration leader

Bob said, "I want to welcome and thank all of them for their continued great service to AMSAT".

[ANS thanks Bob, N4HY, for the above information]

/EX

SB SAT @ AMSAT $ANS-302.03
Eagle Structure and Mechanical Team Leader

AMSAT News Service Bulletin 302.03
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS
BID: $ANS-302.03

Jim Sanford, WB4GCS, announced that Bob Davis, KF4KSS, has assumed the role of Structure and Mechanical Team Leader. Bob has experience in finishing and integrating AO-40, and is employed in the aerospace industry, where he has acquired significant experience since the AO-40 campaign.

Dick Jansson, WD4FAB, has led this team for several years and is not going away. Dick will support Bob as a team member, focussing on structural team coordination and thermal design and analysis.

Dick told Jim, "I'm really excited to see the new blood coming in and assuming leadership roles. I look forward to supporting Bob and being on his team."

Jim expressed his thanks to Dick for all that he has done for AMSAT and WILL do for Eagle and AMSAT. "Thanks for all you've taught us", said Jim.

Jim continued, "Bob, thanks for stepping up to the plate. I look forward to working with you, and I look forward to learning from you."

[ANS thanks Jim, WB4GCS, for the above information]

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SB SAT @ AMSAT $ANS-302.04
Bonaire To Be Active On Satellites

AMSAT News Service Bulletin 302.04
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS

BID: $ANS-302.04

PJ4/K0NR NETHERLANDS ANTILLES.

Bob, K0NR, will be active as PJ4/K0NR from Bonaire (IOTA SA-006) from Oct 28 to Nov 9, using SSB and PSK31 on 30M through 6M. Bob will also be active on the FM OSCAR satellites (Grid FK52).

QSL to Bob's home call.

[ANS thanks Bob, K0NR, for the above information]

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SB SAT @ AMSAT $ANS-302.05
Florida AMSAT Net

AMSAT News Service Bulletin 302.05
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS
BID: $ANS-302.05

The Florida AMSAT Net will meet this Thursday evening at the usual local time of 19:30 ET, which with the time change, is now 00:30 UTC.

The net meets on the West Florida Group NI4CE repeater system, the Orlando N4HHA repeater at 443.1 MHz, 103.5Hz tone, the N4LEM Cocoa repeater, 147.36 MHz +107.2 PL or connect by echolink to KG4YZY-R, node 4429. The net's purpose is to provide a platform for hams with amateur satellite interest to meet and discuss satellite related topics of interest. All amateurs are invited to join in.

[ANS thanks Dave, AA4KN, for the above information]

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SB SAT @ AMSAT $ANS-302.06
ARISS Status - 23 October 2006

AMSAT News Service Bulletin 302.06
From AMSAT HQ SILVER SPRING, MD.
October 29, 2006
To All RADIO AMATEURS
BID: $ANS-302.06

1. Upcoming School Contact

The first ARISS contact of Expedition 14 has been approved. Students attending the Euro Space Center in Transinne, Belgium will participate in the Flanders Science Festival, which is being held on October 27-29, and will speak with the ISS via the telebridge station WH6PN in Hawaii. The contact has been scheduled for Friday, October 27 at 10:36 UTC. The audio will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers. There is a possibility that the audio from this event will

also be fed into the IRLP Discovery Reflector 9010.

2. Expedition 13 Crew Debrief Status

The ARISS-U.S. team has compiled questions for the crew debrief with Jeff Williams, KD5TVQ. The debriefing session is tentatively scheduled for November 9 at 5 pm ET.

3. ARRL Article on Expedition 15 Crew

The ARRL ran a web story on the recently named Expedition 15 crew entitled, "Three radio amateurs on next ISS crew." See: http://www.arrl.org/?artid=6880

[ANS thanks Carol, KB3LKI for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

381. WSR-303 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-02 18:03:05 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <tpq2h.1021$L6.783@newsread3.news.pas.earthlink.net>
Source record: 1437

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-303.S1
WSR 303 Part 1 10/30/2006

AMSAT NEWS SERVICE BULLETIN 303.S1 FROM AMSAT HQ
SILVER SPRING, MD, October 30, 2006
TO ALL RADIO AMATEURS
BID: $ANS-303.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V(SSB)/U(FM)
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10302006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage:
http://www.amsat.org/amsat-new/satellites/satInfo.php?sat
ID=5&retURL=/satellites/status.php
[10162006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At

this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-303.S2
WSR 303 Part 2 10/30/2006

AMSAT NEWS SERVICE BULLETIN 303.S2 FROM AMSAT HQ
SILVER SPRING, MD, October 30, 2006
TO ALL RADIO AMATEURS
BID: $ANS-303.S2

HO-59 HITSat
Catalog Number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/

[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V(SSB)/U(FM)
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[10302006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B

Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]

=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-303.S3
WSR 303 Part 3 10/30/2006

AMSAT NEWS SERVICE BULLETIN 303.S3 FROM AMSAT HQ
SILVER SPRING, MD, October 30, 2006
TO ALL RADIO AMATEURS
BID: $ANS-303.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442

Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11

BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz

Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====

NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]

=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-303.S4
WSR 303 Part 4 10/30/2006

AMSAT NEWS SERVICE BULLETIN 303.S4 FROM AMSAT HQ
SILVER SPRING, MD, October 30, 2006
TO ALL RADIO AMATEURS
BID: $ANS-303.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

382. 20 wpm code tested Extra's aren't evil.

Newsgroup: rec.radio.amateur.space
Date: 2006-11-04 23:58:05 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <hO93h.2458$0r.245@newsread1.news.pas.earthlink.net>
Source record: 1438
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

We're better.

SC

383. Re: 20 wpm code tested Extra's aren't evil, but sc is a a just a jerk

Newsgroup: rec.radio.amateur.space
Date: 2006-11-05 01:57:32 UTC
From: Mark@kb9rqz.aprs
Message-ID: <c7hqk29srptolmbm3bktkijt6ohu7dp3lj@4ax.com>
Source record: 1439
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

On Sat, 04 Nov 2006 23:58:05 GMT, Slow Code <my.mail@no.spam> wrote:

>We're better.
at morse code maybe better hams by and large you are not
>
>SC
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

384. Re: 20 wpm code tested Extra's aren't evil.

Newsgroup: rec.radio.amateur.space
Date: 2006-11-05 02:57:51 UTC
From: Titties n Beer <anon@anon>
Message-ID: <eg9hg.ob1.17.1@news.alt.net>
Source record: 1440
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

"Slow Code" <my.mail@no.spam> wrote in message
news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
We're better.

SC

Mark is most assuredly going to crap on THIS comment!

385. Re: 20 wpm code tested Extra's aren't evil, but slow code is lazy dishonest and creul

Newsgroup: rec.radio.amateur.space
Date: 2006-11-05 03:49:59 UTC
From: Mark@kb9rqz.aprs
Message-ID: <eqnqk2hpqfda0j95uuiet73q2bpsj4vnno@4ax.com>
Source record: 1441
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

On Sat, 4 Nov 2006 21:57:51 -0500, "Titties n Beer" <anon@anon> wrote:

>
>"Slow Code" <my.mail@no.spam> wrote in message
>news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
>We're better.
>
>SC
>
>
>Mark is most assuredly going to crap on THIS comment!
>
no crap just the truth
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

386. Re: 20 wpm code tested Extra's aren't evil.

Newsgroup: rec.radio.amateur.space
Date: 2006-11-05 04:12:24 UTC
From: "Mike, who else?" <Mike@nowhere.net>
Message-ID: <lwd3h.52503$H7.2377@edtnps82>
Source record: 1442
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

You spamming POS
Bu-Bye
PLONK

Mike

387. Re: 20 wpm code tested Extra's aren't evil.

Newsgroup: rec.radio.amateur.space
Date: 2006-11-06 01:16:03 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <n1w3h.2746$l25.2507@newsread4.news.pas.earthlink.net>
Source record: 1443
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

"Titties n Beer" <anon@anon> wrote in news:eg9hg.ob1.17.1@news.alt.net:

>
> "Slow Code" <my.mail@no.spam> wrote in message
> news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
> We're better.
>
> SC
>
>
> Mark is most assuredly going to crap on THIS comment!

Yes, I expect he's going to mail me a turd over that one.

SC

388. Re: 20 wpm code tested Extra's aren't evilm but SC is hater of all ham radio

Newsgroup: rec.radio.amateur.space
Date: 2006-11-06 03:22:33 UTC
From: Mark@kb9rqz.aprs
Message-ID: <0jatk292l9rpm1nbtq3m4o3vihoggkc0uo@4ax.com>
Source record: 1444
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

On Mon, 06 Nov 2006 01:16:03 GMT, Slow Code <my.mail@no.spam> wrote:

>"Titties n Beer" <anon@anon> wrote in news:eg9hg.ob1.17.1@news.alt.net:
>
>>
>> "Slow Code" <my.mail@no.spam> wrote in message
>> news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
>> We're better.
>>
>> SC
>>
>>
>> Mark is most assuredly going to crap on THIS comment!
>
>
>Yes, I expect he's going to mail me a turd over that one.
nah i don't do that sort of shit
>
>SC
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

389. More Morkie Mularkie

Newsgroup: rec.radio.amateur.space
Date: 2006-11-06 06:14:02 UTC
From: K4YZ <k4yz@aol.com>
Message-ID: <1162793642.045664.318290@i42g2000cwa.googlegroups.com>
Source record: 1445
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

Mork@kb9rqz.putz wrote:
> On Mon, 06 Nov 2006 01:16:03 GMT, Slow Code <my.mail@no.spam> wrote:
> >"Titties n Beer" <anon@anon> wrote in news:eg9hg.ob1.17.1@news.alt.net:
> >> "Slow Code" <my.mail@no.spam> wrote in message
> >> news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
> >>
> >> We're better.
> >>
> >> SC
> >>
> >> Mark is most assuredly going to crap on THIS comment!
> >>
> >Yes, I expect he's going to mail me a turd over that one.
>
> nah i don't do that sort of ####

Sure you do.

Steve, K4YZ

390. sc conitues crapathon

Newsgroup: rec.radio.amateur.space
Date: 2006-11-06 16:48:33 UTC
From: Mark@kb9rqz.aprs
Message-ID: <8ppuk2pvrp47hf60lv8c40bvo29b5b779m@4ax.com>
Source record: 1446
Cross-posted to: rec.radio.amateur.policy,rec.radio.amateur.space

On 5 Nov 2006 22:14:02 -0800, "K4YZ" <k4yz@aol.com> wrote:

>Mork@kb9rqz.putz wrote:
>> On Mon, 06 Nov 2006 01:16:03 GMT, Slow Code <my.mail@no.spam> wrote:
>> >"Titties n Beer" <anon@anon> wrote in news:eg9hg.ob1.17.1@news.alt.net:
>> >> "Slow Code" <my.mail@no.spam> wrote in message
>> >> news:hO93h.2458$0r.245@newsread1.news.pas.earthlink.net...
>> >>
>> >> We're better.
>> >>
>> >> SC
>> >>
>> >> Mark is most assuredly going to crap on THIS comment!
>> >
>> >Yes, I expect he's going to mail me a turd over that one.
>>
>> nah i don't do that sort of shit
>
> Sure you do.
no steve you simply refuse to face the facts I am not that sort of
person I don't mail out shit either phycial crap or the osrt of lies
and smearing letter you send out
>
>Steve, K4YZ
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

391. Radio Meteor Obs. Bull. October 2006 Orionids

Newsgroup: rec.radio.amateur.space
Date: 2006-11-08 19:13:24 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <k1b4l2lr09hojn0a4sgv6r10g9emok0qbm@4ax.com>
Source record: 1447
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 159 of September 2006 (79K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0610.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

392. ANS-309 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-09 15:18:30 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <aFH4h.4458$L6.753@newsread3.news.pas.earthlink.net>
Source record: 1448
Body handling: 1 inline base64-encoded payload block was not displayed

AMSAT NEWS SERVICE
ANS-309

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* ARISS Contingency Network Activated
* OSCAR-11 REPORT
* AMSAT Donation Opportunity for Federal Employees
* SK - Reihard Richter, DJ1KM
* Satellite DX Opportunities
* National Science Foundation Plans Webcast of Mercury Transit
* ARISS Status - 30 October 2006

SB SAT @ AMSAT $ANS-309.01
ARISS Contingency Network Activated

AMSAT News Service Bulletin 309.01
From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.01

October 30, 2006

On Thursday, October 26, NASA Johnson Space Center asked that the ARISS Ops Team enable its ISS Ham Contingency Network and go into standby mode as a resource for NASA. ARISS volunteers immediately swung into action.

Russian Flight Controllers were experiencing difficulties completing the docking of a Russian Progress cargo vehicle. Its antenna would not retract properly as it neared the ISS. It is a requirement for the antenna to be retracted before the last step of the physical docking is executed to avoid a collision between the antenna and the docking port. The ISS was put into a free-drifting mode, which aids the crew with docking maneuvers. Free-drifting results in the ISS solar arrays not being pointed directly toward the sun. This causes decreased power generation for the ISS, and the crew is required to slow down or shut

down some ISS systems to conserve power.

During free-drift mode, a loss of TDRSS (Tracking and Data Relay Satellite System) coverage can occur; TDRSS is the system that handles communications between astronauts and Mission Control (MCC) in Houston. The ARISS Team was asked to ready its ISS Ham Contingency Network so that MCC could feel secure in having solid communication coverage while their staff took care of the docking issue.

The docking problem was solved, and the ARISS contingency network wasn't used by NASA for actual communications. NASA's request and the ensuing ham activity served as a great drill for the ARISS Team. MCC (Houston) was impressed with how quickly the ARISS Team had its system up and running. The MCC staff's concern about the possible TDRSS problem was lessened, knowing of the hams' ability to act as a back-up resource in the case that it is ever needed.

Kenneth Ransom, N5VHO, generated a procedure for the ISS crew on the operations of the ARISS contingency network. The fact that the ARISS Team was asked to be on standby was known by anyone listening to the NASA communications channel. MCC Houston transmitted a message to the crew that information would be uplinked about the ham network and the procedure for it if they needed to invoke it.

It was the first time in the six-year history of ARISS that NASA had asked the hams to bring up the contingency network. Within 15 minutes of receiving the call from NASA, ARISS Ops Team member Kenneth Ransom, N5VHO, reported the ARISS Ops Team ready to communicate. ARISS Team member Tony Hutchinson, VK5ZAI, of Australia, was awakened at 2 AM, and got on-line to make a blind call up to the crew, although they did not need to answer at that point.

Within the 3.5 hours from the time the initial phone call came, until the team got word to shut down, Tony Hutchison, VK5ZAI, was as his mike, and these additional stations were on standby to cover later passes: Gerald Klatzko, ZS6BTD, in South Africa; Gaston Bertels, ON4WF, at the Belgian ON4ISS station; Dick Flagg, AH6NM, and Nancy Rochelau, WH6PN, at Sacred Hearts Academy in Honolulu, Hawaii; and Frank Bauer, KA3HDO, and Mark Steiner, K3MS, at the Goddard Space Flight Center ham station, WA3NAN. The ARISS teamwork was very effective; its members learned a great deal, and they impressed NASA with how quickly the system was brought up.

[ANS thanks Rosalie, K1STO,
ARISS Secretary-Treasurer for the above information]

/EX

SB SAT @ AMSAT $ANS-309.02
OSCAR-11 REPORT

AMSAT News Service Bulletin 309.02
From AMSAT HQ SILVER SPRING, MD.

November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.02

31 October 2006

OSCAR-11 is back! It was first heard by Peter ZL3TC, at 06:23 UTC on October 18. It had been silent since August 26.

During the period 28 September to 30 October, the satellite was heard from 18 to 28 October. Good signals have been heard on most passes, often very strong.

Further deterioration of the time/date stamp has occurred. Here is a frame of telemetry captured on 27 October at 08:43:51 UTC.

UOSAT-2 060=601033448

[Inline base64-encoded payload not displayed]

The date/time stamp is the block of characters following 'UOSAT-2' having the format YYMMDDWHHMMSS (Year, month, day, day of week, hours, minutes, seconds).

The month, shown as '0=' in the date stamp is now in all telemetry frames. When the satellite was heard in August the month, had stuck at 07 and the day had incremented to 60. During the ten day reception period in October, the day had correctly incremented from 51 to 60. While the satellite was silent, it appears likely that the day may have incremented to 99 and then reset to zero. It will be interesting verify this theory on future passes.

During the last ten days of beacon transmission the time stamp incremented accurately, and no gain or loss was detected (within one or two seconds). However, on one occasion, the most significant digit of the hours failed to change from zero to one, although it didn't cause a permanent error.

If the satellite continues to operate normally, the beacon should switch ON around 07 November. If nothing is heard, it may be worth listening ten days later, ie. around 17 November.

I am indebted Peter ZL3TC, Bob G4VRC, Paul KB5M, and Doug KA2UPW/5 for their reports and for monitoring the satellite. Peter listened for the satellite daily, often during several passes, while it was silent. Many thanks.

The status of the satellite, when last heard, was that all the analogue telemetry channels, 0 to 59 are zero, ie they have failed. The status channels 60 to 67 were still working. The spacecraft computer and active attitude control system have switched OFF, ie. the satellite' attitude is controlled only by the passive gravity boom gradient, and the satellite is free to spin at any speed. When telemetry was last received it showed that one of the solar arrays had failed, and there was a large

unexplained current drain on the main 14 volt bus. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

The watchdog timer now operates on a 20 day cycle. The ON/OFF times have tended to be very consistent. The average of many observations show this to be 20.7 days, ie. 10.3 days ON followed by 10.4 days OFF. However, poor solar attitude may result may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle. When this occurs, the beacon is OFF for 20.7 days.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website. If you need to know what OSCAR-11 should sound like, there is a short audio clip for you to hear. The website contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/

[ANS thanks Clive, G3CWV, for the above information]

/EX

SB SAT @ AMSAT $ANS-309.03
AMSAT Donation Opportunity for Federal Employees

AMSAT News Service Bulletin 309.03
From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.03

Again this year AMSAT is a member of the Combined Federal Campaign (CFC). The mission of the CFC is to promote and support philanthropy through a program that is employee focused, cost-efficient, and effective in providing all federal employees the opportunity to improve the quality of life for all. As the world's largest and most successful annual workplace giving campaign, each year, more than 300 CFC campaigns throughout the country and internationally help to raise millions of dollars for eligible non-profit organizations.

Gunther Meisse, AMSAT treasurer has announced that any Federal employee can make a contribution to your Radio Amateur Satellite Corporation when they complete their pledge for 2006.

AMSAT is listed as Agency Number CFC 2944.

Your contribution directly supports AMSAT's educational outreach and satellite construction projects including work on AMSAT-Eagle. Pledges may be made by Federal civilian, postal and military donors during the campaign season.

The campaign runs from September 1st to December 15th, 2006.

To learn more about CFC visit the CFC website at:
http://www.opm.gov/cfc/

The 2005 Annual Report, Audit and tax filings are now posted on the AMSAT website at:
http://www.amsat.org/amsat-new/AboutAmsat/documents/finance.php

[ANS thanks Gunther W8GSM, AMSAT Treasurer for the above information]

/EX

SB SAT @ AMSAT $ANS-309.04
SK - Reihard Richter, DJ1KM

AMSAT News Service Bulletin 309.04
From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.04

AMSAT has received the sad news that Reinhard Richter, DJ1KM passed away on October 27, 2006. Reinhard was very active on satellites, worked on the AMSAT-DL website, and had managed the AO-40 schedule. His family can be reached via: Inge Richter and family, Lohfeldweg 40, 30459 Hannover, Germany.

[ANS thanks Inge Richter for the above information]

/EX

SB SAT @ AMSAT $ANS-309.05
Satellite DX Opportunities

AMSAT News Service Bulletin 309.05
From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.05

LA/W5ACM will be active on board a cruise ship in the Caribbean Sea starting on October 30, 2006. Ports of call include Jamaica, Grand Cayman and Cozumel. NO operation will be attemped from land, but many grids will be made available while at sea.

Target satellites include SO-50 and AO-51. Due to the difficulty of SSB up/FM down ops via AO-51, better results are expected via SO-50. We will give it our best shot! QSL to Andy's W5ACM home call.

Other satellite ops on this cruise include WB5RMA, WA5TWT, WA5WOD and WD5BDX.

Bob, K0NR will be active as PJ4/K0NR from Bonaire (IOTA SA-006) from Oct 28 to Nov 9th, SSB and PSK31 on 30M through 6M. Also active on FM OSCAR satellites (Grid FK52). QSL to K0NR home call.

Nader has ended his ST2NH operation from Sudan and returned home to Saudi Arabia where he plans to be active again from El Rijadh as HZ1NH on the satellites. During his three weeks in Sudan he reported working 23 countries and made 105 QSOs with different stations mostly in Europe using AO-7, FO-29, AO-51 and AO-52.

[ANS thanks Andy, W5ACM; Bob, K0NR, and Domenico, I8CVS for the above information]

/EX

SB SAT @ AMSAT $ANS-309.06
National Science Foundation Plans Webcast of Mercury Transit

AMSAT News Service Bulletin 309.06
>From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.06

The National Science Foundation's Kitt Peak National Observatory and the Exploratorium are joining forces to present a live view of an unusual celestial event: the transit of planet Mercury across the face of the Sun, as seen from Earth.

This five-hour transit occurs on Wednesday, November 8, 2006, beginning at 19:12 UTC and ending at 00:10 UTC.

The coverage from Kitt Peak, broadcast on the Web by a mobile multimedia team from the Exploratorium, will include a live image of the transit as seen through a white-light filter on a Meade 16-inch telescope operated by the national observatory for public outreach, plus live voiceover commentary at the top of every hour and interviews with astronomers on Kitt Peak.

For more information and to watch the event live, go to:
http://www.exploratorium.edu/transit

[ANS thanks the National Science Foundation for the above information]

SB SAT @ AMSAT $ANS-309.07
ARISS Status

AMSAT News Service Bulletin 309.07
From AMSAT HQ SILVER SPRING, MD.
November 5, 2006
To All RADIO AMATEURS
BID: $ANS-309.07

1. Flanders Contact Cancelled

The Amateur Radio on the International Space Station (ARISS) contact which was scheduled with students attending the Flanders Science Festival on Friday, October 27 was cancelled due to issues associated with the docking of Progress 23P. The team is working to reschedule the contact with the students as soon as possible, although a specific date, time and location have not yet been determined.

2. Expedition 13 Crew Debrief Status

The Amateur Radio on the International Space Station U.S. team has compiled questions for the crew debrief with Jeff Williams, KD5TVQ. The debriefing session is tentatively scheduled for November 9 with a new time of 3:45 pm ET.

3. ARRL Article on ARISS International Team Meeting

The American Radio Relay League (ARRL) ran a web story covering the Amateur Radio on the International Space Station (ARISS) International Team Meeting held in San Francisco on October 8 - 10. See: http://www.arrl.org/news/stories/2006/10/25/2/?nc=1

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

393. WSR-310 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-09 15:18:31 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <bFH4h.4459$L6.4154@newsread3.news.pas.earthlink.net>
Source record: 1449

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-310.S1
WSR 310 Part 1 11/06/2006

AMSAT NEWS SERVICE BULLETIN 310.S1 FROM AMSAT HQ
SILVER SPRING, MD, November 06, 2006
TO ALL RADIO AMATEURS
BID: $ANS-310.S1

VO-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
-------------------
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
```

Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/S - No Tone
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11062006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)

1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage:
http://www.amsat.org/amsat-new/satellites/satInfo.php?sat
ID=5&retURL=/satellites/status.php
[10162006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At

this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-310.S2
WSR 310 Part 2 11/06/2006

AMSAT NEWS SERVICE BULLETIN 310.S2 FROM AMSAT HQ
SILVER SPRING, MD, November 06, 2006
TO ALL RADIO AMATEURS
BID: $ANS-310.S2

HO-59 HITSat
Catalog Number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog Number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/

[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode(s): FM Repeater - V/S - No Tone
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital
Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11062006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B

Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog Number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]

=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
PCSAT-2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Decommissioning
Current Mode: OFF

Voice Digital Uplink: 145.990 MHz
Voice response Downlink: 437.975 MHz

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
ISS digipeater uplink: 145.990 Mhz

PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.401 Mhz

CALLSIGN: pcsat2

Official Webpage: http://web.usna.navy.mil/~bruninga/pcsat2.html
PCSAT2 APRS Packet page: http://www.findu.com/cgi-bin/pcsat2.cgi
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-310.S3
WSR 310 Part 3 11/06/2006

AMSAT NEWS SERVICE BULLETIN 310.S3 FROM AMSAT HQ
SILVER SPRING, MD, November 06, 2006
TO ALL RADIO AMATEURS
BID: $ANS-310.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

AO-54 SUITSAT
Catalog Number:28933
Release Date: February 3,2006

Status: Re-Entered

Modes : FM Voice Telemetry/Greetings
FM SSTV

Callsign: RS0RS
Downlink: 145.990 FM

Currently on the amsat-bb, there is a geussing game going on about when
Suitsat will re-enter the atmosphere.

Official webpage: http://www.suitsat.org
[09252006]
=====
NCUBE-2
Catalog Number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog Number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog Number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog Number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442

Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11

BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz

Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====

NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]

=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-310.S4
WSR 310 Part 4 11/06/2006

AMSAT NEWS SERVICE BULLETIN 310.S4 FROM AMSAT HQ
SILVER SPRING, MD, November 06, 2006
TO ALL RADIO AMATEURS
BID: $ANS-310.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog Number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

394. Wanted Collins 30L-1 Round

Newsgroup: rec.radio.amateur.space
Date: 2006-11-16 07:18:50 UTC
From: Carl Domanico <vze2686b@verizon.net>
Message-ID: <uhU6h.3007$672.368@trndny01>
Source record: 1450

Hi, I'm looking for a Collins 30L-1 Round Emblem, High Frequency, Linear Amplifer. Not looking for any junk, actually I want one in excellent condition, Must be Round Emblem... Prefer one that has already been refurbished, things such as power supply, caps , etc...So as I do not have to do it...Although I've restored a few of them...I just want one in Excellent to Mint Condition...
If anyone out there has one of these amps, please feel free to e-mail me and if you like call 718-331-7427

Thanks a Lot
Carl
N2MFW

395. ANS-316 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-18 14:38:52 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <0WE7h.443$sf5.209@newsread4.news.pas.earthlink.net>
Source record: 1451

AMSAT NEWS SERVICE
ANS-316

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* New ANS News Editor
* Upcoming ARISS Contact Schedule
* NASA activates UHF SDR on MRO
* Want Eagle to be built and launched?
* PCSAT-3 Digital Design Help Needed
* GENSO

SB SAT @ AMSAT $ANS-316.01
New ANS Editor

AMSAT News Service Bulletin 316.01
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.01

I am pleased to be back in the seat as an editor of ANS. It's been about 18 months since I've done it and it feels like no time has gone by. I hope that
my contribution will go a little way to encouraging and enlightening others about the worldwide AMSAT mission.

On a practical front, I'm involved with preparing the WWW telemetry pages for the ANDE satellite and getting involved with the Global Educational Network for Satellite Operations (GENSO), more details later in this bulletin.

73,
Dave, G4DPZ

[ANS thanks Dave, G4DPZ, for the above information]

/EX

SB SAT @ AMSAT $ANS-316.02
Upcoming ARISS Contact Schedule

AMSAT News Service Bulletin 316.02
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.02

Landesmuseum fuer Technik und Arbeit (Mannheim Museum), Mannheim, Germany
2006-11-20 14:42 UTC via telebridge WH6PN Thomas Reiter contact
Watch for live IRLP, Echolink, and webcast.

Centre Hastings Secondary, Madoc, Ontario, Canada, direct via VE3UR
Mon 2006-11-20 16:35 UTC

During Expedition 14, ARISS expects to have one ARISS school contact per
month rather than approximately one per week.
It is also anticipated that there many not be many general contacts.

Total number of ARISS school contacts is 255.

QSL information may be found at:
http://www.arrl.org/ARISS/arissfaq.html
http://www.rac.ca/ariss/oindex.htm#QSL's

ISS callsigns: DP0ISS, NA1SS, RS0ISS

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*
The schedule page has been updated as of 2006-11-08 22:45 UTC. Here you
will find a listing of all scheduled school contacts and questions,
other ISS
related websites, IRLP and Echolink websites, and instructions for any
contact that may be streamed live.
http://www.amsat.org/amsat/ariss/news/arissnews.txt

The successful school list has been updated as of 2006-09-27 02:00 UTC
http://www.amsat.org/amsat/ariss/news/Successful_ARISS_schools.rtf

Frequency chart for packet, voice, and crossband repeater modes showing
Doppler correction as of 2005-07-29 04:00 UTC
http://www.amsat.org/amsat/ariss/news/ISS_frequencies_and_Doppler_correction
.rtf

Listing of ARISS related magazine articles as of 2006-07-10 03:30 UTC:
http://www.amsat.org/amsat/ariss/news/ARISS_magazine_articles.rtf

****
*
There has been a rumor that the ISS was having direct contacts on the 40
meter band. There is no HF radio equipment on board and available yet.
The HF antenna is mounted. Sometimes WA3NAN will retransmit shuttle audio.

Expedition 13/14 on orbit:
Thomas Reiter DF4TR

Expedition 14 on orbit:
Michael Lopez-Alegria KE5GTK
Mikhail Tyurin, RZ3FT

Expedition 14 future:
Sunita Williams, KD5PLB

****
*

[ANS thanks Charlie Sufana AJ9N, for the above information]

/EX

SB SAT @ AMSAT $ANS-316.03
NASA activates UHF SDR aboard MRO

AMSAT News Service Bulletin 316.03
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.03

On Monday, 6 November 2006, the Electra software-defined UHF
transponder aboard the Mars Reconnaissance Orbiter was activated in
order to relay communications to and from the Spirit rover on the
surface of Mars. During the 4.2 minute MRO pass, 31 megabits of data
from Spirit were acquired at a return link rate of 128 kilobits per
second while simultaneously sending a small forward-link file to the
rover. This is the first deep-space use of a software-defined radio
by NASA.

[ANS thanks Jan, WB6VRN, for the above information]

/EX

SB SAT @ AMSAT $ANS-316.04
Want Eagle to be built and launched?

AMSAT News Service Bulletin 316.04
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.04

Recent legislation passed by Congress and signed by President Bush can help
make that happen. The law, called the Pension Protection Act (PPA),
includes
a provision enabling AMSAT to raise substantially more money than might
have
been previously possible.

You know how important money is to getting Eagle into orbit.

Basically, here's the story on how the new law can help Eagle fly!.

The PPA provides that U.S. taxpayers with IRAs who have reached the age of 70-1/2, may contribute to qualified charities, part or all (up to $100,000), of the money they must annually withdraw from their IRAs.

Thus, many AMSAT members and other supporters of the amateur radio space program have a marvelous opportunity to keep the Eagle project on track.

If you must withdraw a certain amount from your IRA each year, there is a big advantage to making such withdrawals as direct contributions to AMSAT rather than merely receiving the distributions and then contributing in the usual manner. Under PPA, the amount you contribute directly is NOT counted as income and thus may put you into a lower tax bracket. It may also reduce the percentage of your Social Security income subject to taxation.

Key provisions of the new legislation to keep in mind:

1. Donors must hold either a conventional or Roth IRA.

2. Donors must be at least 70-1/2 years of age.

3. Contributions must be made directly from the IRA to the charitable organization not to a donor- advised fund, private foundation, gift annuity or trust.

4. Donations may be made this year and next only, and must be made by December 31, 2006 and December 31, 2007.

5. The maximum amount a contributor may donate each year is $100,000.

6. Direct contributions to qualified charities from IRAs, in accordance with the PPA provisions, are NOT counted as taxable income.

If you are 70-1/2 or older and have an IRA, you are in a position to take advantage of this potential windfall for the Eagle project. AMSAT urges you to first check with your tax advisor for specifics regarding your individual situation, then ask your IRA custodian to transfer to AMSAT part or all of what you are required to withdraw. Be sure to have this transfer completed before December 31st.

Let's all of us do our part to get Eagle into orbit.

* Have your IRA custodian call the AMSAT office to get information on how to transfer your contribution. The number 301-589-6062. Office hours are 10 AM to 6 PM EST.

[ANS thanks BIll, W5XO, for the above information]

/EX

SB SAT @ AMSAT $ANS-316.05
Looking for a Digital designer to help with PCSAT-3

AMSAT News Service Bulletin 316.05
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.05

PCSAT-3 will hopefully be similar to PCSAT-1 and PCSAT2 including a PSK-31 transponder and of course the usual packet digipeaters.... AND...

But it also will have a large surface area that we want to see if we can HEAR
micrometeor impacts, and with four microphones and DSP see if we can locate the point of impact. This will require working with a high-end PIC processor
that has a DSP code operating at up to 1 MHz sample rate (500 KHz bandwidth),
12 bit resolution, and sensitivity down to 10ths of a milli-volt.

Supposedly we have a "software" guy, but we don't have a digital designer to
lay out the 80-pin-PIC processor board, including all the low noise front end
to avoid the inevitable noise in the system and a huge amount of FLASH ram to
record the data.

If it works, and the PIC detects a hit, then not only would it save the data
science purposes, but then we can reply it on the FM downlink as audio for everyone to hear. Expectations are maybe 3 hits per day average?

Anyway, if anyone is an excellent digital designer, with time on their hands
and is interested in this project, let me know. Thanks Bob, WB4APR

[ANS thanks Bob, WB4APR, for the above information]

/EX

SB SAT @ AMSAT $ANS-316.06
Global Educational Network for Satellite Operations

AMSAT News Service Bulletin 316.06
From AMSAT HQ SILVER SPRING, MD.
November 12, 2006
To All RADIO AMATEURS
BID: $ANS-316.06

An ESA Assessment Study for this project began in June 2006 and a large number of the study team attended the AMSAT-UK 2006 Colloquium as part of

the SSETI contingent. AMSAT-UK representatives (including the Ed.) were invited to attend their break-out meeting by Neil Mellville of ESA.

In the meeting, AMSAT-UK received a briefing on the purpose of GENSO. Which is to provide a global infrastructure that will be available for future educational satellite projects. By increasing communication time from an average of 3% to a potential 60%, it will become possible to access spacecraft data in real time at low cost.

As a result of this, AMSAT-UK joined with ESA, the SSETI Association, UNISEC, and several universities around the world, to determine the technical feasibility of the project and define a comprehensive set of technical requirements with suggested design solutions.

A month later, the first workshop was held at the University of Tokyo to discuss the proposal and the potential for inter-continental collaboration. The response from the amateur radio and academic communities was particularly promising.

The implementation plan produced at the second workshop, held in ESTEC in late September, included work packages, a preliminary schedule and a budget framework. On 5 October, this plan was presented to the International Space Education Board during the International Astronautical Congress in Valencia.

The Board gave the go-ahead to start the design and implementation of the software and hardware, with objective of running a pilot phase in around a years time. They are planning a workshop next February to discuss our progress and the core features should be ready for testing by mid-2007. If all goes according to plan, they hope to have the network fully operational from November 2008 onwards.

Over the coming months, ESA will provide funding for software development and overall project management, with the other space agencies on the board, CSA, JAXA and NASA, sponsoring involvement from Canada, Japan and the USA respectively.

"One of the key aspects of this project will be that the network is developed 'by students for students', with the technical support and guidance of the space agencies and the radio amateur community," said Neil Melville of ESA.

AMSAT-UK has been asked to define the typical ground station in terms of hardware and to provide supporting software. Therefore, watch out for a questionnaire appearing on AMSAT-BB for your thoughts.

The data collection and ground station software, developed as part of the project will be made available to the AMSAT community.

More information can be found at:

http://www.esa.int/esaED/SEM8HFZBYTE_index_0.html

[ANS thanks ESA & AMSAT-UK, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dave Johnson, G4DPZ

396. WSR-317 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-18 14:39:10 UTC
From: JoAnne Maenpaa <wb9jej_no-spam@earthling.com>
Message-ID: <iWE7h.444$sf5.412@newsread4.news.pas.earthlink.net>
Source record: 1452

This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-317.S1
WSR 317 Part 1 11/13/2006

AMSAT NEWS SERVICE BULLETIN 317.S1 FROM AMSAT HQ
SILVER SPRING, MD, November 13, 2006
TO ALL RADIO AMATEURS
BID: $ANS-317.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php
[10162006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks

that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-317.S2
WSR 317 Part 2 11/13/2006

AMSAT NEWS SERVICE BULLETIN 317.S2 FROM AMSAT HQ
SILVER SPRING, MD, November 13, 2006
TO ALL RADIO AMATEURS

BID: $ANS-317.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====

AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B

Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]

=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-317.S3
WSR 317 Part 3 11/13/2006

AMSAT NEWS SERVICE BULLETIN 317.S3 FROM AMSAT HQ
SILVER SPRING, MD, November 13, 2006
TO ALL RADIO AMATEURS
BID: $ANS-317.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====

RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
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SB SAT @ AMSAT W8ISS $ANS-317.S4
WSR 317 Part 4 11/13/2006

AMSAT NEWS SERVICE BULLETIN 317.S4 FROM AMSAT HQ
SILVER SPRING, MD, November 13, 2006
TO ALL RADIO AMATEURS
BID: $ANS-317.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
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397. ANS-323 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 19:25:06 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <5ICdnSngAtEQaPjYnZ2dnUVZ_sGdnZ2d@comcast.com>
Source record: 1453

AMSAT NEWS SERVICE
ANS-323

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* AMSAT-NA Signs Agreements to Build Eagle at a UMES Facility
* 24th Space Symposium Proceedings Available in AMSAT Store
* EaglePedia Upgraded
* SatPC32 Version 12.6 is Released
* Call for AMSAT Journal Articles
* Cambodian Satellite Opportunity
* AMSAT Awards
* STSORBIT Plus Author David Ransom SK
* ARISS Status Report for the week of November 13, 2006
* First Live HDTV Broadcast From Space

SB SAT @ AMSAT $ANS-323.01
AMSAT-NA Signs Agreements to Build Eagle at a UMES Facility

AMSAT News Service Bulletin 323.01
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.01

AMSAT-NA has accepted an offer to co-locate its Satellite Integration Lab with the Hawk Institute for Space Sciences (HISS), a division of the Maryland Hawk Corporation which is a 501(c)(3) non-profit educational organization affiliated with the University of Maryland Eastern Shore (UMES). HISS is located in Pocomoke, Maryland, on the eastern shore of the Chesapeake Bay. Pocomoke is about a 3-hour drive southeast of the Baltimore-Washington International airport.

AMSAT-NA has been actively searching for a suitable location for the past two years as AMSAT's most recent lab at the municipal airport in Orlando, Florida was condemned due to damage by Hurricane Charley on August 13, 2004. With the unanimous approval of the AMSAT-NA Board of Directors, AMSAT-NA has executed two Memoranda of Understanding, one

with the University of Maryland Eastern Shore and the other with Maryland Hawk Corporation, formalizing the relationship. These MOUs give AMSAT-NA essentially no-cost access to the HISS facility in return for sharing its equipment and ideas with HISS.

In addition, the agreement with UMES calls for AMSAT-NA to work collaboratively with UMES to identify opportunities to work together on satellite and related technology projects as well as to work with their students and faculty to enhance hands-on studies and dissertation research. The possibility also exists for AMSAT-NA scientists and engineers to receive Adjunct status at the UMES.

AMSAT's VP Engineering, Bob McGwier N4HY, commented "I consider these happenings to be a serious beginning of the activities towards a real spacecraft." AMSAT's lead mechanical engineer, Bob Davis KF4KSS, is also an employee of HISS, resulting in AMSAT having a representative on site at all times. Bob Davis was AMSAT's mechanical design expert in the Orlando lab during the AO-40 satellite campaign.

HISS is currently constructing the interior walls for their new 8,000 square foot facility. It is being designed around AMSAT's dual clean room, which was used for AO-40 and is in storage at Florida Space Institute. AMSAT will move the clean room and the parts and equipment currently in storage in the Orlando area to the new lab in the next few months. The facility will also include adequate meeting and office space for visiting AMSAT personnel. The agreement with HISS also provides AMSAT limited access to NASA Wallops Flight Facility with its environmental testing, machine shop, rocket manufacturing and launch facilities.

AMSAT members Bob Davis KF4KSS, Rick Hambly W2GPS, Tom Clark K3IO, Jim Sanford WB4GCS and Bob McGwier N4HY have worked very hard on this project. AMSAT members are encouraged to volunteer to work in the new lab, come by and visit (call first), and donate to the P3E and Eagle satellite funds.

[ANS thanks Rick, W2GPS for the above information]

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SB SAT @ AMSAT $ANS-323.02
24th Space Symposium Proceedings Available in AMSAT Store

AMSAT News Service Bulletin 323.02
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.02

Bruce, KK5DO, wearing his AMSAT Store Manager hat, says that the 24th AMSAT-NA Space Symposium Proceedings from San Francisco are now available online at the AMSAT Store. You can purchase your copy and with a credit card conveniently online and have it sent to your door.

It is full of interesting topics. In fact, 284 pages and almost two pounds of interesting stuff.

Bruce continues, "Another neat new item is our AMSAT back pack. It is ideal for carrying all your stuff and boasts the AMSAT logo on the front."

Other items for your holiday wish list include wall clocks, desk clocks, shirts, and more. Be sure to bookmark the AMSAT store for that special person in your life so they can find the things you really want that will not break the bank.

Order yours today at the AMSAT Online Store http://www.amsat.org

[ANS thanks Bruce, KK5DO for the above information]

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SB SAT @ AMSAT $ANS-323.03
EaglePedia Upgraded

AMSAT News Service Bulletin 323.03
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.03

AMSAT-NA's EaglePedia was upgraded this week. Webmistress Emily, N1DID reported, "EaglePedia is back online and most everything is working."

She recommends that EaglePedia users investigate the release notes to the upgraded version on-line at:
http://www.amsat.org/amsat-new/eagle/EaglePedia/index.php/EaglePedia_1.1_release_notes (watch the line wrap)

[ANS thanks Emily, N1DID for the above information]

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SB SAT @ AMSAT $ANS-323.04
SatPC32 Version 12.6 is Released

AMSAT News Service Bulletin 323.04
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.04

Erich Eichmann DK1TB has donated SatPC32 as a fund-raiser for AMSAT. If you use SatPC32, please support amateur satellite programs by purchasing a SatPC32 registration password.

+ A new control button enables the user to toggle between two timer display modes: A fixed AOS/LOS time of the satellites or, alternatively, a countdown of the remaining hours and minutes until the next AOS or LOS.

+ Show the maximum elevation of the next pass of all selected satellites.

+ Output an acoustic message when a satellite is rising.

+ The sub tone steering functions of the program have been expanded.
These functions support now also the Kenwood TS-790A

+ The programs now ignore any characters in brackets after the satellite
names in Keplerian element text files. This allows the user's existing
Doppler.SQF file to be compatible with the new Keps file format from
Celestrak.

The downloadable version is a "trial" version that requires the user to
enter their lat/lon every time they start the program. To make the
program fully functional, a registration password must be purchased from
AMSAT-NA, AMSAT-DL, or AMSAT-UK. Your existing registration password
may be used for the new version.

SatPC32 version 12.6 is now available for download from the author's web
site: http://www.dk1tb.de/downloadeng.htm

[ANS thanks Wayne, W9AE for the above information]

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SB SAT @ AMSAT $ANS-323.05
Call for AMSAT Journal Articles

AMSAT News Service Bulletin 323.05
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.05

Ed, WA4SWJ, Editor of The AMSAT Journal says, "It's that time again. If
you have any articles for the November/December issue of The AMSAT Journal
please let me know by e-mail to my [callsign] at amsat.org."

Ed continues, "I have some content already and to those authors - thank you!
I'm always looking for more. Regular contributors - please get going!"
Here's your chance to tell your mom you got your name in the paper.

[ANS thanks Ed, WA4SWJ for the above information]

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SB SAT @ AMSAT $ANS-323.06
Cambodian Satellite Opportunity

AMSAT News Service Bulletin 323.06
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.06

The TAMSAT Group and Siam DX Group will include amateur satellite operations on their 2006 Micro-DXpedition to Cambodia. They plan to use Cambodian callsigns for this event running between November 23 to November 28. Operation is planned to include AO-7, FO-29, SO-50, AO-51, and VO-52 using CW, SSB, and FM. Their planned Satellite Operation Schedule is posted at: http://www.tamsat.org/xu7/sch/

[ANS thanks Tanan, XU7ADN and the TAMSAT group for the above information]

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SB SAT @ AMSAT $ANS-323.07
AMSAT Awards

AMSAT News Service Bulletin 323.07
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.07

Bruce, KK5DO, wearing his AMSAT Director Contests and Awards hat says, "This week, congratulations go out to all of the following:"

We would like to welcome the following to the satellite community. They have made their first satellite contact and are now members of the AMSAT Satellite Communicators Club:
Alan Sieg WB5RMG
Eric Christensen KF4OTN

AMSAT Satellite Communications Achievement Award
Alan Sieg WB5RMG #440
Eric Christensen KF4OTN #441

South Africa Satellite Communications Achievement Award
Eric Christensen KF4OTN, US100

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com

[ANS thanks Bruce, KK5DO for the above information]

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SB SAT @ AMSAT $ANS-323.08
STSORBIT Plus Author David Ransom SK

AMSAT News Service Bulletin 323.08
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.08

Ken Ernandes, N2WWD told AMSAT the sad news of the passing of STSORBIT PLUS author David Ransom on 5 November 2006. While not a ham, Dave was a long-time supporter of AMSAT and a major player in providing Space Shuttle orbital data to the AMSAT and NASA communities. Dave and Ken worked collaboratively to modify STSORBIT PLUS such that it would provide

[manual] Doppler tuning information, thus making the software a useful tool for amateur satellite communications.

Amateur Satellite operators around the world will remember Dave for his contributions to AMSAT and will miss him.

[ANS thanks Ken Ernandes, N2WWD for the above information]

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SB SAT @ AMSAT $ANS-323.09
ARISS Status Report for the week of November 13, 2006

AMSAT News Service Bulletin 323.09
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.09

1. Belgium Contact Successful
The Flanders Science Festival contact took placed on Friday, November 10. Eleven students, ages 11 - 12, from Henri d'Haese Primary School in Gentbrugge, Belgium spoke with astronaut Michael Lopez-Alegria, KE5GTK, via the telebridge station W5RRR in Houston, Texas. Twenty questions were asked and answered in front of an audience of 25 students and 3 teachers. The audio was webcast and was fed into the Echolink AMSAT server. Three television stations, one radio station and several newspapers covered the Gentbrugge event. It is estimated that approximately 1 million people in Flanders, Belgium and the Netherlands heard the contact.

2. Upcoming School Contacts
An Amateur Radio on the ISS (ARISS) contact has been approved for Landes museum fuer Technik und Arbeit (Mannheim Museum) in Mannheim, Germany. The contact will take place on Monday, November 20 at 14:42 UTC via the telebridge station WH6PN in Hawaii. This is a European Space Agency (ESA) Special Event with ESA astronaut Thomas Reiter, DF4TR. The audio will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers and into the IRLP Discovery Reflector 9010. The audio will also be webcast.

An Amateur Radio on the International Space Station (ARISS) contact has been approved for Centre Hastings Secondary School, a rural school located in Madoc, Ontario, Canada with a student body of approximately 975 students. Centre Hastings, in conjunction with Stirling Senior School, will involve students from several grades by tracking the Space Station, calculating the speed, rate of travel and distance from Earth. They will design and build a space station, write questions to ask the ISS crew, and design and create posters to advertise the event. The school intends to webcast the event on http://www.hpedsb.on.ca. Newspapers and television are expected to cover the contact which is scheduled for Monday, November 20 at 16:35 UTC.

3. ARISS Contact Inspires Students to Earn Licenses
In April 2006, Escola Americana do Rio de Janeiro experienced an Amateur Radio on the International Space Station (ARISS) contact with Marcos Pontes,

PY0AEB. As a direct result of that contact, several students became interested in learning more about amateur radio. The Amateur Radio and Space Experiment (AMRASE), (a Brazilian non-governmental organization dedicated to developing technical programs for use in schools) team developed a special workshop for the students which covered radio communications, antenna systems, space communication by satellites and the amateur radio system on the International Space Station. Ten students have studied and are prepared to take their amateur radio license exams.

4. ARISS Presentation at University of California, Fresno
This coming week, American Radio Relay League member Dave Smith, W6TE, will give an Amateur Radio presentation to a college class at California State University, Fresno. His talk will cover CubeSats, Student Space Exploration and Technology Initiative (SSETI), and Amateur Radio on the International Space Station (ARISS) including the satellites SuitSat-1 and SuitSat-2.

5. Students Testing SuitSat-2 Components
At its face to face meeting in San Francisco, the Amateur Radio on the International Space Station (ARISS) team approved a second SuitSat project, an amateur radio system housed in an Orlan suit which has outlived its usefulness for the ISS crew. Much of SuitSat-1's design will be reused in this second project but this time a software designed radio and solar cells will be incorporated into the system. The hardware team has been designing and developing the circuitry for the new satellite. The printed circuit boards were delivered to AMSAT members Bob McGwier, N4HY, and Frank Brickle, AB2KT, who are teaching an elective course on software defined radios at The College of New Jersey (formerly Trenton State College). The students enrolled in the course (approximately half of the senior electrical engineering class) will test the boards.

6. ARISS Teacher Featured on Pride of Britain TV Program
On Tuesday, November 7, the United Kingdom's television station, ITV1, aired the Pride of Britain Awards in which the Teacher of the Year award was given to Head Teacher, Linda Davies. Davies was the teacher who coordinated the first Amateur Radio on the International Space Station (ARISS) contact in Britain for her classes at Wiltshire's Neston Primary School and was commended for her work, which inspired students and promoted science at the school.

7. JSC Training Session Status
A Space Flight Training Division Technical Interchange Meeting (TIM) was held at Johnson Space Center on November 6-10. The ARISS-Russian team from Energia, representatives from the Gagarin Cosmonaut Training Center (GCTC), and ARISS-U.S. members attended. As a result of the meeting, the ARISS U.S. team may be tasked to perform more of the amateur radio training to reduce the amount of time that U.S. crews spend in Russia.

8. ARHOP Meeting Held
On Wednesday, November 1, a meeting was held to discuss the charter for the Amateur Radio Hardware and Operations Panel (ARHOP). The document is being developed by Carlos Fontanot at Johnson Space Center in order to formalize the multi-lateral agreement between all the participating ARISS partners,

and to define their roles and responsibilities.

9. Expedition 13 Crew Debrief Held
A crew debriefing session was held on Thursday, November 9 with Jeff Williams, KD5TVQ. Williams provided the team with feedback on the ISS Ham radio equipment and school operations.

10. ARRL Article Covers SuitSat-2
The American Radio Relay League (ARRL) ran an article on a second SuitSat project. See: http://www.arrl.org/news/stories/2006/11/09/101/?nc=1

11. Amateur Radio to be Highlighted on History Channel
In spring 2007, The History Channel plans to run a 13-segment series, "The Secret Life of Machines." One segment will cover Amateur Radio, part of which will focus on ham radio in space. ARISS delegate Rosalie White described the roles of the American Radio Relay League (ARRL), the Radio Amateur Satellite Corporation (AMSAT) and the Amateur Radio on the International Space Station (ARISS) to the History Channel reporter, and provided information on SuitSat-1 and SuitSat-2 and explained how the ARISS team compiles components, and designs, tests and launches its systems. Follow-up material, which covered SuitSat-1 and an ARISS school whose 5th graders built 5 types of crystal radios and compared their qualities, was sent to him.

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-323.10
First Live HDTV Broadcast From Space

AMSAT News Service Bulletin 323.10
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.10

The first live HDTV broadcast from space took place last week. It featured Expedition 14 Commander Michael Lopez-Alegria and Flight Engineer Thomas Reiter, serving as camera operator. The broadcast was carried by Discovery HD Theater and NHK and was also shown at Discovery Channel stores. Known as the Space Video Gateway, the system transmits high bandwidth digital television signals to the ground that are not only spectacular, but also valuable to scientists, engineers and managers.

The Expedition 14 crew continues spacewalk preparations. The Nov. 22 spacewalk includes a commercial golf experiment performed by Flight Engineer Mikhail Tyurin. This experiment is dedicated to the 200th anniversary of establishing diplomatic ties between Russia and the United States and to commemorate the golf shot of Alan Shepard Jr. on the moon.

[ANS thanks NASA for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

398. WSR-324 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 19:25:16 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <Ia2dnZlbXagFaPjYnZ2dnUVZ_vydnZ2d@comcast.com>
Source record: 1454

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-324.S1
WSR 324 Part 1 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S1 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S2
WSR 324 Part 2 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S2 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S3
WSR 324 Part 3 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S3 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====

RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S4
WSR 324 Part 4 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S4 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN

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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

399. ANS-323 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 19:34:30 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <97mdnbP5a5RcavjYnZ2dnUVZ_sGdnZ2d@comcast.com>
Source record: 1455

AMSAT NEWS SERVICE
ANS-323

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* AMSAT-NA Signs Agreements to Build Eagle at a UMES Facility
* 24th Space Symposium Proceedings Available in AMSAT Store
* EaglePedia Upgraded
* SatPC32 Version 12.6 is Released
* Call for AMSAT Journal Articles
* Cambodian Satellite Opportunity
* AMSAT Awards
* STSORBIT Plus Author David Ransom SK
* ARISS Status Report for the week of November 13, 2006
* First Live HDTV Broadcast From Space

SB SAT @ AMSAT $ANS-323.01
AMSAT-NA Signs Agreements to Build Eagle at a UMES Facility

AMSAT News Service Bulletin 323.01
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.01

AMSAT-NA has accepted an offer to co-locate its Satellite Integration Lab with the Hawk Institute for Space Sciences (HISS), a division of the Maryland Hawk Corporation which is a 501(c)(3) non-profit educational organization affiliated with the University of Maryland Eastern Shore (UMES). HISS is located in Pocomoke, Maryland, on the eastern shore of the Chesapeake Bay. Pocomoke is about a 3-hour drive southeast of the Baltimore-Washington International airport.

AMSAT-NA has been actively searching for a suitable location for the past two years as AMSAT's most recent lab at the municipal airport in Orlando, Florida was condemned due to damage by Hurricane Charley on August 13, 2004. With the unanimous approval of the AMSAT-NA Board of Directors, AMSAT-NA has executed two Memoranda of Understanding, one

with the University of Maryland Eastern Shore and the other with Maryland Hawk Corporation, formalizing the relationship. These MOUs give AMSAT-NA essentially no-cost access to the HISS facility in return for sharing its equipment and ideas with HISS.

In addition, the agreement with UMES calls for AMSAT-NA to work collaboratively with UMES to identify opportunities to work together on satellite and related technology projects as well as to work with their students and faculty to enhance hands-on studies and dissertation research. The possibility also exists for AMSAT-NA scientists and engineers to receive Adjunct status at the UMES.

AMSAT's VP Engineering, Bob McGwier N4HY, commented "I consider these happenings to be a serious beginning of the activities towards a real spacecraft." AMSAT's lead mechanical engineer, Bob Davis KF4KSS, is also an employee of HISS, resulting in AMSAT having a representative on site at all times. Bob Davis was AMSAT's mechanical design expert in the Orlando lab during the AO-40 satellite campaign.

HISS is currently constructing the interior walls for their new 8,000 square foot facility. It is being designed around AMSAT's dual clean room, which was used for AO-40 and is in storage at Florida Space Institute. AMSAT will move the clean room and the parts and equipment currently in storage in the Orlando area to the new lab in the next few months. The facility will also include adequate meeting and office space for visiting AMSAT personnel. The agreement with HISS also provides AMSAT limited access to NASA Wallops Flight Facility with its environmental testing, machine shop, rocket manufacturing and launch facilities.

AMSAT members Bob Davis KF4KSS, Rick Hambly W2GPS, Tom Clark K3IO, Jim Sanford WB4GCS and Bob McGwier N4HY have worked very hard on this project. AMSAT members are encouraged to volunteer to work in the new lab, come by and visit (call first), and donate to the P3E and Eagle satellite funds.

[ANS thanks Rick, W2GPS for the above information]

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SB SAT @ AMSAT $ANS-323.02
24th Space Symposium Proceedings Available in AMSAT Store

AMSAT News Service Bulletin 323.02
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.02

Bruce, KK5DO, wearing his AMSAT Store Manager hat, says that the 24th AMSAT-NA Space Symposium Proceedings from San Francisco are now available online at the AMSAT Store. You can purchase your copy and with a credit card conveniently online and have it sent to your door.

It is full of interesting topics. In fact, 284 pages and almost two pounds of interesting stuff.

Bruce continues, "Another neat new item is our AMSAT back pack. It is ideal for carrying all your stuff and boasts the AMSAT logo on the front."

Other items for your holiday wish list include wall clocks, desk clocks, shirts, and more. Be sure to bookmark the AMSAT store for that special person in your life so they can find the things you really want that will not break the bank.

Order yours today at the AMSAT Online Store http://www.amsat.org

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-323.03
EaglePedia Upgraded

AMSAT News Service Bulletin 323.03
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.03

AMSAT-NA's EaglePedia was upgraded this week. Webmistress Emily, N1DID reported, "EaglePedia is back online and most everything is working."

She recommends that EaglePedia users investigate the release notes to the upgraded version on-line at:
http://www.amsat.org/amsat-new/eagle/EaglePedia/index.php/EaglePedia_1.1_release_notes (watch the line wrap)

[ANS thanks Emily, N1DID for the above information]

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SB SAT @ AMSAT $ANS-323.04
SatPC32 Version 12.6 is Released

AMSAT News Service Bulletin 323.04
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.04

Erich Eichmann DK1TB has donated SatPC32 as a fund-raiser for AMSAT. If you use SatPC32, please support amateur satellite programs by purchasing a SatPC32 registration password.

+ A new control button enables the user to toggle between two timer display modes: A fixed AOS/LOS time of the satellites or, alternatively, a countdown of the remaining hours and minutes until the next AOS or LOS.

+ Show the maximum elevation of the next pass of all selected satellites.

+ Output an acoustic message when a satellite is rising.

+ The sub tone steering functions of the program have been expanded.
These functions support now also the Kenwood TS-790A

+ The programs now ignore any characters in brackets after the satellite
names in Keplerian element text files. This allows the user's existing
Doppler.SQF file to be compatible with the new Keps file format from
Celestrak.

The downloadable version is a "trial" version that requires the user to
enter their lat/lon every time they start the program. To make the
program fully functional, a registration password must be purchased from
AMSAT-NA, AMSAT-DL, or AMSAT-UK. Your existing registration password
may be used for the new version.

SatPC32 version 12.6 is now available for download from the author's web
site: http://www.dk1tb.de/downloadeng.htm

[ANS thanks Wayne, W9AE for the above information]

/EX

SB SAT @ AMSAT $ANS-323.05
Call for AMSAT Journal Articles

AMSAT News Service Bulletin 323.05
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.05

Ed, WA4SWJ, Editor of The AMSAT Journal says, "It's that time again. If
you have any articles for the November/December issue of The AMSAT Journal
please let me know by e-mail to my [callsign] at amsat.org."

Ed continues, "I have some content already and to those authors - thank you!
I'm always looking for more. Regular contributors - please get going!"
Here's your chance to tell your mom you got your name in the paper.

[ANS thanks Ed, WA4SWJ for the above information]

/EX

SB SAT @ AMSAT $ANS-323.06
Cambodian Satellite Opportunity

AMSAT News Service Bulletin 323.06
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.06

The TAMSAT Group and Siam DX Group will include amateur satellite operations on their 2006 Micro-DXpedition to Cambodia. They plan to use Cambodian callsigns for this event running between November 23 to November 28. Operation is planned to include AO-7, FO-29, SO-50, AO-51, and VO-52 using CW, SSB, and FM. Their planned Satellite Operation Schedule is posted at: http://www.tamsat.org/xu7/sch/

[ANS thanks Tanan, XU7ADN and the TAMSAT group for the above information]

/EX

SB SAT @ AMSAT $ANS-323.07
AMSAT Awards

AMSAT News Service Bulletin 323.07
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.07

Bruce, KK5DO, wearing his AMSAT Director Contests and Awards hat says, "This week, congratulations go out to all of the following:"

We would like to welcome the following to the satellite community. They have made their first satellite contact and are now members of the AMSAT Satellite Communicators Club:
Alan Sieg WB5RMG
Eric Christensen KF4OTN

AMSAT Satellite Communications Achievement Award
Alan Sieg WB5RMG #440
Eric Christensen KF4OTN #441

South Africa Satellite Communications Achievement Award
Eric Christensen KF4OTN, US100

To see all the awards visit http://www.amsat.org or http://www.amsatnet.com

[ANS thanks Bruce, KK5DO for the above information]

/EX

SB SAT @ AMSAT $ANS-323.08
STSORBIT Plus Author David Ransom SK

AMSAT News Service Bulletin 323.08
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.08

Ken Ernandes, N2WWD told AMSAT the sad news of the passing of STSORBIT PLUS author David Ransom on 5 November 2006. While not a ham, Dave was a long-time supporter of AMSAT and a major player in providing Space Shuttle orbital data to the AMSAT and NASA communities. Dave and Ken worked collaboratively to modify STSORBIT PLUS such that it would provide

[manual] Doppler tuning information, thus making the software a useful tool for amateur satellite communications.

Amateur Satellite operators around the world will remember Dave for his contributions to AMSAT and will miss him.

[ANS thanks Ken Ernandes, N2WWD for the above information]

/EX

SB SAT @ AMSAT $ANS-323.09
ARISS Status Report for the week of November 13, 2006

AMSAT News Service Bulletin 323.09
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.09

1. Belgium Contact Successful
The Flanders Science Festival contact took placed on Friday, November 10. Eleven students, ages 11 - 12, from Henri d'Haese Primary School in Gentbrugge, Belgium spoke with astronaut Michael Lopez-Alegria, KE5GTK, via the telebridge station W5RRR in Houston, Texas. Twenty questions were asked and answered in front of an audience of 25 students and 3 teachers. The audio was webcast and was fed into the Echolink AMSAT server. Three television stations, one radio station and several newspapers covered the Gentbrugge event. It is estimated that approximately 1 million people in Flanders, Belgium and the Netherlands heard the contact.

2. Upcoming School Contacts
An Amateur Radio on the ISS (ARISS) contact has been approved for Landes museum fuer Technik und Arbeit (Mannheim Museum) in Mannheim, Germany. The contact will take place on Monday, November 20 at 14:42 UTC via the telebridge station WH6PN in Hawaii. This is a European Space Agency (ESA) Special Event with ESA astronaut Thomas Reiter, DF4TR. The audio will be fed into the EchoLink AMSAT (101 377) and JK1ZRW (277 208) servers and into the IRLP Discovery Reflector 9010. The audio will also be webcast.

An Amateur Radio on the International Space Station (ARISS) contact has been approved for Centre Hastings Secondary School, a rural school located in Madoc, Ontario, Canada with a student body of approximately 975 students. Centre Hastings, in conjunction with Stirling Senior School, will involve students from several grades by tracking the Space Station, calculating the speed, rate of travel and distance from Earth. They will design and build a space station, write questions to ask the ISS crew, and design and create posters to advertise the event. The school intends to webcast the event on http://www.hpedsb.on.ca. Newspapers and television are expected to cover the contact which is scheduled for Monday, November 20 at 16:35 UTC.

3. ARISS Contact Inspires Students to Earn Licenses
In April 2006, Escola Americana do Rio de Janeiro experienced an Amateur Radio on the International Space Station (ARISS) contact with Marcos Pontes,

PY0AEB. As a direct result of that contact, several students became interested in learning more about amateur radio. The Amateur Radio and Space Experiment (AMRASE), (a Brazilian non-governmental organization dedicated to developing technical programs for use in schools) team developed a special workshop for the students which covered radio communications, antenna systems, space communication by satellites and the amateur radio system on the International Space Station. Ten students have studied and are prepared to take their amateur radio license exams.

4. ARISS Presentation at University of California, Fresno
This coming week, American Radio Relay League member Dave Smith, W6TE, will give an Amateur Radio presentation to a college class at California State University, Fresno. His talk will cover CubeSats, Student Space Exploration and Technology Initiative (SSETI), and Amateur Radio on the International Space Station (ARISS) including the satellites SuitSat-1 and SuitSat-2.

5. Students Testing SuitSat-2 Components
At its face to face meeting in San Francisco, the Amateur Radio on the International Space Station (ARISS) team approved a second SuitSat project, an amateur radio system housed in an Orlan suit which has outlived its usefulness for the ISS crew. Much of SuitSat-1's design will be reused in this second project but this time a software designed radio and solar cells will be incorporated into the system. The hardware team has been designing and developing the circuitry for the new satellite. The printed circuit boards were delivered to AMSAT members Bob McGwier, N4HY, and Frank Brickle, AB2KT, who are teaching an elective course on software defined radios at The College of New Jersey (formerly Trenton State College). The students enrolled in the course (approximately half of the senior electrical engineering class) will test the boards.

6. ARISS Teacher Featured on Pride of Britain TV Program
On Tuesday, November 7, the United Kingdom's television station, ITV1, aired the Pride of Britain Awards in which the Teacher of the Year award was given to Head Teacher, Linda Davies. Davies was the teacher who coordinated the first Amateur Radio on the International Space Station (ARISS) contact in Britain for her classes at Wiltshire's Neston Primary School and was commended for her work, which inspired students and promoted science at the school.

7. JSC Training Session Status
A Space Flight Training Division Technical Interchange Meeting (TIM) was held at Johnson Space Center on November 6-10. The ARISS-Russian team from Energia, representatives from the Gagarin Cosmonaut Training Center (GCTC), and ARISS-U.S. members attended. As a result of the meeting, the ARISS U.S. team may be tasked to perform more of the amateur radio training to reduce the amount of time that U.S. crews spend in Russia.

8. ARHOP Meeting Held
On Wednesday, November 1, a meeting was held to discuss the charter for the Amateur Radio Hardware and Operations Panel (ARHOP). The document is being developed by Carlos Fontanot at Johnson Space Center in order to formalize the multi-lateral agreement between all the participating ARISS partners,

and to define their roles and responsibilities.

9. Expedition 13 Crew Debrief Held
A crew debriefing session was held on Thursday, November 9 with Jeff Williams, KD5TVQ. Williams provided the team with feedback on the ISS Ham radio equipment and school operations.

10. ARRL Article Covers SuitSat-2
The American Radio Relay League (ARRL) ran an article on a second SuitSat project. See: http://www.arrl.org/news/stories/2006/11/09/101/?nc=1

11. Amateur Radio to be Highlighted on History Channel
In spring 2007, The History Channel plans to run a 13-segment series, "The Secret Life of Machines." One segment will cover Amateur Radio, part of which will focus on ham radio in space. ARISS delegate Rosalie White described the roles of the American Radio Relay League (ARRL), the Radio Amateur Satellite Corporation (AMSAT) and the Amateur Radio on the International Space Station (ARISS) to the History Channel reporter, and provided information on SuitSat-1 and SuitSat-2 and explained how the ARISS team compiles components, and designs, tests and launches its systems. Follow-up material, which covered SuitSat-1 and an ARISS school whose 5th graders built 5 types of crystal radios and compared their qualities, was sent to him.

[ANS thanks Carol, KB3LKI for the above information]

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SB SAT @ AMSAT $ANS-323.10
First Live HDTV Broadcast From Space

AMSAT News Service Bulletin 323.10
>From AMSAT HQ SILVER SPRING, MD.
November 19, 2006
To All RADIO AMATEURS
BID: $ANS-323.10

The first live HDTV broadcast from space took place last week. It featured Expedition 14 Commander Michael Lopez-Alegria and Flight Engineer Thomas Reiter, serving as camera operator. The broadcast was carried by Discovery HD Theater and NHK and was also shown at Discovery Channel stores. Known as the Space Video Gateway, the system transmits high bandwidth digital television signals to the ground that are not only spectacular, but also valuable to scientists, engineers and managers.

The Expedition 14 crew continues spacewalk preparations. The Nov. 22 spacewalk includes a commercial golf experiment performed by Flight Engineer Mikhail Tyurin. This experiment is dedicated to the 200th anniversary of establishing diplomatic ties between Russia and the United States and to commemorate the golf shot of Alan Shepard Jr. on the moon.

[ANS thanks NASA for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

400. WSR-324 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 19:35:46 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <JqudnTSy8PiQZfjYnZ2dnUVZ_qmdnZ2d@comcast.com>
Source record: 1456

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-324.S1
WSR 324 Part 1 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S1 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S2
WSR 324 Part 2 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S2 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[08072006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

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Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
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APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S3
WSR 324 Part 3 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S3 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====

RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-324.S4
WSR 324 Part 4 11/20/2006

AMSAT NEWS SERVICE BULLETIN 324.S4 FROM AMSAT HQ
SILVER SPRING, MD, November 20, 2006
TO ALL RADIO AMATEURS
BID: $ANS-324.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN

/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

401. FYI: Amateur Radio Website

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 22:59:28 UTC
From: Martin Johnson <kc7zwg@localhost.localdomain>
Message-ID: <3oCdnQPTALp7uvvYnZ2dnUVZ_oSdnZ2d@nventure.com>
Source record: 1457
Cross-posted to: rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.spacerec.radio.scanner,rec.radio.amateur.swap,rec.rado.amateur.equipment,sachsnet.hobby.amateur+cb-funk,tamu.hamradio.bulletins,tnn.radio.amateur,tw.bbs.rec.radio.amateur,uk.radio.amateur,uwarwick.societies.amateur-radio

never seen this done before.....
what is it anyway???

http://www.kc7zwg.com

is this illegal amateur radio activity ?

402. FYI: Found this Radio site

Newsgroup: rec.radio.amateur.space
Date: 2006-11-23 23:02:22 UTC
From: Martin Johnson <ac7lk@aol.com>
Message-ID: <3oCdnQLTALoPtfvYnZ2dnUVZ_oSdnZ2d@nventure.com>
Source record: 1458
Cross-posted to: rec.radio.amateur,rec.radio.amateur.antenna,rec.radio.amateur.boatanchors,rec.radio.amateur.digital,rec.radio.amateur.digital.misc,rec.radio.amateur.dx,rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.packet,rec.radio.amateur.policy,rec.radio.amateur.space,rec.radio.amateur.spacerec.radio.scanner

intersting amateur mode :

http://www.kc7zwg.org

is this illegal?

403. Archive of Keplerian elements

Newsgroup: rec.radio.amateur.space
Date: 2006-11-25 09:21:44 UTC
From: R grdunik <grdsubscriptions@gmail.com>
Message-ID: <1164446504.947854.52500@l39g2000cwd.googlegroups.com>
Source record: 1459

Hello,
I wonder if there is a site where the two-line Keplerian elements of satellites are archived. I don't have any specific satellite in mind. Any satellite will do. Actually, I am more interested to have the data for satellites or space stations which have already reached their end-of-life. Any pointer is much appreciated.

73 de

Reza

404. Re: Archive of Keplerian elements

Newsgroup: rec.radio.amateur.space
Date: 2006-11-25 14:54:45 UTC
From: Roland <roland_lemmers@planet.nl>
Message-ID: <45685933$0$12787$ba620dc5@text.nova.planet.nl>
Source record: 1460

R grdunik schreef:
> Hello,
> I wonder if there is a site where the two-line Keplerian elements of
> satellites are archived. I don't have any specific satellite in mind.
> Any satellite will do. Actually, I am more interested to have the data
> for satellites or space stations which have already reached their
> end-of-life. Any pointer is much appreciated.
>
>
> 73 de
>
>
> Reza
>

www.space-track.org

About as close as it gets AFAIK.

405. ANS-330 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-11-30 13:20:06 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <Y_CdnTeGYcsfR_PYnZ2dnUVZ_tGdnZ2d@comcast.com>
Source record: 1461

AMSAT NEWS SERVICE
ANS-330

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Unique Donation Opportunity Through The Pension Protection Act
* AMSAT at the Tampa Hamfest
* OSCAR-11 Report 20 November 2006
* ARISS Status - 20 November 2006

SB SAT @ AMSAT $ANS-330.01
Unique Donation Opportunity Through The Pension Protection Act

AMSAT News Service Bulletin 330.01
From AMSAT HQ SILVER SPRING, MD.
November 26, 2006
To All RADIO AMATEURS
BID: $ANS-330.01

Recent legislation passed by Congress and signed by President Bush can help AMSAT raise the funds needed to build Eagle. The law, called the Pension Protection Act (PPA), includes
a provision enabling AMSAT to raise substantially more money than might have been previously possible. However, time is short to take full advantage of this unique opportunity.

Serious construction work must be funded this year to have Eagle ready to orbit by the target of 2009.

Basically, here's the story on how the new law can help Eagle fly!

The PPA provides that U.S. taxpayers with IRAs who have reached the age of 70-1/2, may contribute to qualified charities, part or all (up to $100,000 per year or $200,000 for married couples filing jointly), of the money they must annually withdraw from their IRAs.

Thus, many AMSAT members and other supporters of the amateur radio space program have a marvelous opportunity to keep the Eagle project on track.

If you must withdraw a certain amount from your IRA each year, there is a big advantage to making such withdrawals as direct contributions to AMSAT rather than merely receiving the distributions and then contributing in the usual manner. Under PPA, the amount you contribute directly is NOT counted as income and thus may put you into a lower tax bracket. It may also reduce the percentage of your Social Security income subject to taxation.

Key provisions of the new legislation to keep in mind:

1. Donors must hold either a conventional or Roth IRA.

2. Donors must be at least 70-1/2 years of age.

3. Contributions must be made directly from the IRA to the charitable organization not to a donor- advised fund, private foundation, gift annuity or trust.

4. Donations may be made this year and next only, and must be made by December 31, 2006 and December 31, 2007.

5. The maximum amount a contributor may donate each year is $100,000.

6. Direct contributions to qualified charities from IRAs, in accordance with the PPA provisions, are NOT counted as taxable income.

If you are 70-1/2 or older and have an IRA, you are in a position to take advantage of this potential windfall for the Eagle project. AMSAT urges you to first check with your tax advisor for specifics regarding your individual situation, then ask your IRA custodian to transfer to AMSAT part or all of what you are required to withdraw. Be sure to have this transfer completed before December 31st.

Let's all of us do our part to get Eagle into orbit.

* Have your IRA custodian call the AMSAT office to get information on how to transfer your contribution. The number 301-589-6062. Office hours are 10 AM to 6 PM EST.

[ANS thanks BIll, W3XO, for the above information]

/EX

SB SAT @ AMSAT $ANS-330.02
AMSAT at the Tampa Hamfest

AMSAT News Service Bulletin 330.02
From AMSAT HQ SILVER SPRING, MD.
November 26, 2006
To All RADIO AMATEURS
BID: $ANS-330.02

The Tampa Bay Hamfest, which will be held this year over the weekend of 2-3 December, is the largest amateur radio trade show on Florida's west coast. AMSAT will be well represented at the hamfest with a booth, live satellite demonstrations and an expanded forum session.

The hamfest will be held at the Manatee Civic Center in Palmetto, which in located in the south Tampa Bay Area - about halfway between downtown St. Petersburg and downtown Sarasota.
Additional hamfest info is available at http://www.fgcarc.org/

[ANS thanks Lee, KU4OS, for the above information]

/EX

SB SAT @ AMSAT $ANS-330.03
OSCAR-11 Report 20 November 2006

AMSAT News Service Bulletin 330.03
From AMSAT HQ SILVER SPRING, MD.
November 26, 2006
To All RADIO AMATEURS
BID: $ANS-330.03

During the period 30 October to 20 November, the satellite was heard from 07 to 17 November. Good signals steady signals have beeen heard on all passes, and excellent copy of telemetry obtained.

The date/time stamp has been of interest. Since the satellite was heard on 18 October the on-board clock has maintained accurate time, to within two seconds over a period of 30 days. This compares with the average gain of five seconds per month, recorded when the satellite was fully operational.

The date counter appears to be incrementing correctly, but the day of the month is not reset to one, at the end of each month, and is not incrementing the month counter correctly. During the OFF period the month counter changed from '0=' to '10'. On 17 November the date was shown as 51 October. However, the day of the week counter appears to be incrementing correctly.

If the satellite watchdog timer continues to operate normally, the beacon should switch ON around 29 November. If the satellite is not heard around this time, it may be worth listening around 09 December.

I am indebted to Peter ZL3TC, for his reports, which helped me determine when the satellite last switched ON. Many thanks.

The current status of the satellite, is that all the analogue telemetry channels, 0 to 59 are zero, ie they have failed. The status channels 60 to 67 were still working. The spacecraft computer and active attitude control system have switched OFF, ie. the satellite' attitude is controlled only by the passive gravity boom gradient, and the satellite is free to spin at any speed. When telemetry was last received it showed that one of the solar arrays had failed, and there was a large unexplained current drain on the main 14 volt bus. After 22 years in orbit the battery has undergone around 100,000 partial charge/discharge cycles, and observations suggest that it cannot power the satellite during eclipses, or sometimes during periods of poor solar attitude.

The watchdog timer now operates on a 20 day cycle. The ON/OFF times have tended to be very consistent. The average of many observations show this to

be 20.7 days, ie. 10.3 days ON followed by 10.4 days OFF. However, poor solar attitude may result may result in a low 14 volt line supply, which may cause the beacon to switch OFF prematurely, and reset the watchdog timer cycle. When this occurs, the beacon is OFF for 20.7 days.

The Beacon frequencies are -

VHF 145.826 MHz. AFSK FM ASCII Telemetry

UHF 435.025 MHz. OFF

S-band 2401.5 MHz. OFF

Listeners to OSCAR-11 may be interested in visiting my website. If you need to know what OSCAR-11 should sound like, there is a short audio clip for you to hear. The website contains an archive of news & telemetry data. It also contains details about using a soundcard or hardware demodulators for data capture. There is software for capturing data, and decoding ASCII telemetry. The URL is www.users.zetnet.co.uk/clivew/

If you place this bulletin on a terrestrial packet network, please use the bulletin identifier $BID:U2RPT127.CWV, to prevent duplication.

73 Clive G3CWV xxxxx@amsat.org (please replace xxxxx by g3cwv)

[ANS thanks Clive, G3CWV, for the above information]

/EX

SB SAT @ AMSAT $ANS-330.04
ARISS Status - 20 November 2006

AMSAT News Service Bulletin 330.04
From AMSAT HQ SILVER SPRING, MD.
November 26, 2006
To All RADIO AMATEURS
BID: $ANS-330.04

Astronaut Training Status

ESA astronaut Christer Fuglesang has been scheduled for an Amateur Radio training session on Monday, November 20. Fugelsang will fly on the Shuttle STS-116 mission scheduled to launch on December 7, and plans to participate in an ARISS contact during his flight.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS

406. WSR-331 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-11-30 13:20:08 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <57-dnWMTXLcZR_PYnZ2dnUVZ_r6dnZ2d@comcast.com>
Source record: 1462

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-331.S1
WSR 331 Part 1 11/27/2006

AMSAT NEWS SERVICE BULLETIN 331.S1 FROM AMSAT HQ
SILVER SPRING, MD, November 27, 2006
TO ALL RADIO AMATEURS
BID: $ANS-331.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-331.S2
WSR 331 Part 2 11/27/2006

AMSAT NEWS SERVICE BULLETIN 331.S2 FROM AMSAT HQ
SILVER SPRING, MD, November 27, 2006
TO ALL RADIO AMATEURS
BID: $ANS-331.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/

[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[10092006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-331.S3
WSR 331 Part 3 11/27/2006

AMSAT NEWS SERVICE BULLETIN 331.S3 FROM AMSAT HQ
SILVER SPRING, MD, November 27, 2006
TO ALL RADIO AMATEURS
BID: $ANS-331.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php

[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====

RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-331.S4
WSR 331 Part 4 11/27/2006

AMSAT NEWS SERVICE BULLETIN 331.S4 FROM AMSAT HQ
SILVER SPRING, MD, November 27, 2006
TO ALL RADIO AMATEURS
BID: $ANS-331.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN

/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

407. ANS-337 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-12-03 15:10:51 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <ObudnWhoAdZzde_YnZ2dnUVZ_oSdnZ2d@comcast.com>
Source record: 1463

Ed. Note - Getting this bulletin out a little earlier than usual because it contains information about Thursday's launch.

AMSAT NEWS SERVICE
ANS-337

ANS is a free, weekly, news and information service of AMSAT North America,The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Unique Donation Opportunity Through The Pension Protection Act
* UK Colloquium Dates Set
* Genesat-1 Launch Information
* ARISS Status - December 3, 2006
* STS-116 Launch to Include Cubesats
* SKN in Memory of K7RR

SB SAT @ AMSAT $ANS-337.01
Unique Donation Opportunity Through The Pension Protection Act

AMSAT News Service Bulletin 337.01
From AMSAT HQ SILVER SPRING, MD.
November 26, 2006
To All RADIO AMATEURS
BID: $ANS-337.01

Recent legislation passed by Congress and signed by President Bush can help AMSAT raise the funds needed to build Eagle. The law, called the Pension Protection Act (PPA), includes a provision enabling AMSAT to raise substantially more money than might have been previously possible. However, time is short to take full advantage of this unique opportunity.

Serious construction work must be funded this year to have Eagle ready to orbit by the target of 2009.

Basically, here's the story on how the new law can help Eagle fly!

The PPA provides that U.S. taxpayers with IRAs who have reached the age of 70-1/2, may contribute to qualified charities, part or all (up to $100,000 per year or $200,000 for married couples filing jointly), of the money they must annually withdraw from their IRAs.

Thus, many AMSAT members and other supporters of the amateur radio space program have a marvelous opportunity to keep the Eagle project on track.

If you must withdraw a certain amount from your IRA each year, there is a big advantage to making such withdrawals as direct contributions to AMSAT rather than merely receiving the distributions and then contributing in the usual manner. Under PPA, the amount you contribute directly is NOT counted as income and thus may put you into a lower tax bracket. It may also reduce the percentage of your Social Security income subject to taxation.

Key provisions of the new legislation to keep in mind:

1. Donors must hold either a conventional or Roth IRA.

2. Donors must be at least 70-1/2 years of age.

3. Contributions must be made directly from the IRA to the charitable organization not to a donor- advised fund, private foundation, gift annuity or trust.

4. Donations may be made this year and next only, and must be made by December 31, 2006 and December 31, 2007.

5. The maximum amount a contributor may donate each year is $100,000.

6. Direct contributions to qualified charities from IRAs, in accordance with the PPA provisions, are NOT counted as taxable income.

If you are 70-1/2 or older and have an IRA, you are in a position to take advantage of this potential windfall for the Eagle project. AMSAT urges you to first check with your tax advisor for specifics regarding your individual situation, then ask your IRA custodian to transfer to AMSAT part or all of what you are required to withdraw. Be sure to have this transfer completed before December 31st.

Let's all of us do our part to get Eagle into orbit.

* Have your IRA custodian call the AMSAT office to get information on how to transfer your contribution. The number 301-589-6062. Office hours are 10 AM to 6 PM EST.

[ANS thanks BIll, W3XO, for the above information]

/EX

SB SAT @ AMSAT $ANS-337.02
UK Colloquium Dates Set

AMSAT News Service Bulletin 337.02
From AMSAT HQ SILVER SPRING, MD.
December 3, 2006
To All RADIO AMATEURS
BID: $ANS-337.02

Please make a note in your diaries, etc The dates for the 2007 AMSAT-UK Colloquium are 20 through 22 July 2007. We are holding it a week earlier than normal to avoid clashing with the Central States VHF Event. Venue is to be the University of Surrey, as per previous years.

I hope that lots of you from the other side of the Pond will be able to make it!

73
Jim G3WGM
Hon Sec AMSAT-UK

[ANS thanks Jim, G3WGM, for the above information]

/EX

SB SAT @ AMSAT $ANS-337.03
Genesat-1 Launch Information

AMSAT News Service Bulletin 337.03
From AMSAT HQ SILVER SPRING, MD.
December 3, 2006
To All RADIO AMATEURS
BID: $ANS-337.03

GeneSat-1 Launch Planned for December 11

A Star is Flown
GeneSat-1 will launch from the Mid-Atlantic Regional Spaceport (MARS) at NASA Wallops Flight Facility on December 11, 2006, about 7:00am EST. It will go into orbit as a secondary payload aboard a Minotaur launch vehicle. GeneSat-1 is a 10 x 10 x 30 cm. spacecraft, which will conduct a cellular biology technology demonstration.

Of particular interest to the amateur radio satellite community, is the GeneSat-1 beacon. Operating at 437.075 MHz FM, the beacon sends an AX.25 packet every 5 seconds; the packet contains data about the spacecraft systems operation. The beacon will initiate transmission as soon as the spacecraft is deployed from its carrier on the 4th stage of the launch vehicle.

The mission website at http://www.genesat1.org will be fully operational as of December 5; look there for general mission and spacecraft information, for how to contact GeneSat Mission Operations, and for the latest orbit data and other information needed to work the GeneSat-1 beacon.

Let The Games Begin
To foster interest in the amateur community, and to support amateur radio and space technology outreach to student groups, the GeneSat Mission Team is sponsoring a contest, with entries made by uploading packets received onto the mission website. Recognition and awards will be made as follows:

Grand Prize: A radio station set up for satellite tracking! The rig will be donated by the Silicon Valley Center for Robotic Exploration and

Space Technology (CREST) at NASA Research Park to the college or university of the winner's choice. The honor of choosing the recipient school goes to the station that logs 12 or more data packets each (about 1 minute's worth of listening) from the greatest number of satellite passes during the experiment.

The recipient school must be approved by CREST management, based on demonstration of suitable infrastructure and licensed amateur(s) available to operate and maintain the station, and available connectivity from CREST for remote support and operation. The station will be installed with the cooperation of CREST staff. The winners also will receive a commemorative plaque for station team members and pictures and recognition on the GeneSat-1 website. In case of a tie the station with earliest initial packet submittal will win the right to designate the recipient school.

First Contact Prize: The station submitting the first packet after initiation of transmission will receive the First Contact Prize. They will receive a commemorative plaque and mission pins for station team members and pictures and recognition on the mission website.

The First 20 stations to post packets will receive mission pins and a certificate of recognition from the GeneSat Mission Operations Director.

All Contestants who submit one or more packets will receive an electronic QSL card from the mission web site upon submission of data.

[ANS thanks Mike, KE7EGC and the GeneSat-1 team for the above information]

/EX

SB SAT @ AMSAT $ANS-337.04
ARISS Status - December 3, 2006

AMSAT News Service Bulletin 337.04
From AMSAT HQ SILVER SPRING, MD.
December 3, 2006
To All RADIO AMATEURS
BID: $ANS-337.04

Amateur Radio on the International Space Station (ARISS) Status Report
November 27, 2006

1. Mannheim Museum Contact Successful

On Monday, November 20, students attending the Landesmuseum fuer Technik und Arbeit (Mannheim Museum) in Mannheim, Germany, for the opening of its space exhibition, experienced an amateur radio contact with astronaut Thomas Reiter, DF4TR. An audience of two hundred students, ages 12-20, watched as 13 students asked thirteen questions. Also present was former ESA astronaut Ernst Messerschmid, DG2KM, who displayed pictures of Thomas' training and answered questions from the audience.
Telebridge station VK5ZAI in Australia assisted in the event. The

audio was fed into the EchoLink servers and received 22 connections from12 countries, including 1 repeater. Three connections were made to the Internet Radio Linking Project (IRLP) Discovery Reflector 9010, and 15 listened to the Shoutcast audio stream on the www.discoveryreflector.ca website. The audio was also webcast, courtesy of Verizon Conferencing.

2. Canadian School Contact, a Success

Centre Hastings Secondary School experienced a successful contact with the ISS via amateur radio. On November 20, ten students posed 22 questions to Michael Lopez-Alegria, KE5GTK, in front of an audience of 800. The Ottawa ARISS team provided radio equipment for the contact and gave a presentation to the students. Local radio and newspapers covered the event and media students from the local college and university attended. Dignitaries making an appearance included a federal member of the Canadian Parliament, an Ontario Member of the Provincial Parliament, and local officials from the Township and School Board including Trustees and directors. The school webcasted the event on www.hpedsb.on.ca. Audio was fed to EchoLink servers and Internet Radio Linking Project (IRLP) Discovery Reflector 9010. EchoLink received 16 connections (1 repeater included) from 9 countries, and 5 connections were made to the IRLP server 9010 from Canada and Japan. Audio was also available through Shoutcast on the website www.discoveryreflector.ca which received 26 connections.

3. Cosmonaut Active on Voice

Mikhail Tyruin, RZ3FT, has been active on voice. He has been using the ISS Ham radio equipment to make general contacts with his friends in Canada.

4. Astronaut Training Status

On November 20, Christer Fuglesang, KE5CGR/SA0AFS, attended an amateur radio session at JSC which provided him with user level training on the Kenwood radio so that he will be prepared to perform a school contact with students in Sweden during his STS-116 mission. He was given instructions on manual configuration as well as normal operations of the radio.

5. ARISS International Team Meeting Held

The ARISS International Team held its monthly teleconference on Tuesday, November 21. SuitSat-2's design and progress were reported on. Updates were given on the Kenwood radio status and SuitSat-1 certificates. Minutes have been posted on the ARISS website. See: http://www.rac.ca/ariss/arisstel2006-11-21.htm

[ANS thanks Carol, KB3LKI for the above information]

/EX

SB SAT @ AMSAT $ANS-337.05
STS-116 Launch Includes Cubesats

AMSAT News Service Bulletin 337.05
From AMSAT HQ SILVER SPRING, MD.
December 3, 2006
To All RADIO AMATEURS
BID: $ANS-337.05

December 7 STS-116 Launch Includes Three Amateur Satellites

Space Shuttle Discovery is scheduled for launch on December 7 at 9:35 PM EST (UTC-5). During the 12-day mission and three spacewalks, the crew will work closely with flight controllers at NASA's Johnson Space Center, Houston, to install a new segment of the station's girder-like truss and activate the station's permanent, complex power and cooling systems.

The Shuttle will also carry to orbit three new satellites, RAFT-1, MARSCOM and ANDE, designed, built, and tested by the Midshipmen of the US Naval Academy's Satellite Laboratory in Annapolis, Maryland.

The primary mission of the RAFT satellite is tied to the calibration of the US Navy Space Surveillance Radar which is the primary source of ALL satellite tracking data for ALL spacecraft in the USA. Data from this radar is what helps generate the Keplarian Elements used by all Amateur Satellites operators.

The secondary mission of RAFT and MARScom are to provide packet digital communications relay for mobile units to transmit their GPS coordinates and messages via the satellites. This is a continuation of the PCsat, PCSAT2 and ARISS missions. The downlink is received by a global system of volunteer ground stations that feed the http://pcsat.aprs.org live web page.

The primary limitation on single channel LEO satellite communications is the congestion on the uplink. The RAFT Packet-to-Voice transponder solves this problem by compressing the uplink into a single 1 second burst per station, and then expanding it to voice for the FM downlink. This way, students with nothing but a scanner receiver can hear all of the downlink communications (voice) yet the uplinking stations have a very low probabilty of collision due to the short duration of the uplink. A voice synthesizer converts the packet to voice.

ANDE was developed by the Naval Research labs as an "Atmospheric Neutral Density Experiment" to measure the decay from orbit of a perfectly spher ical 18" ball. Hearing that it was empty, the Naval Academy under the mentoring of Bob Bruninga, WB4APR, proposed an amateur radio transponder for the inside.

There can be no external antennas and no solar panels or anything that would disturb the aerodynamic performance of the very smooth sphere. The spherical satellite is split in half with an insulator and uses the space frame as the antenna for the 2 meter system. There are 112 Lithinum primary "D" cells inside the sphere to power it for a year.

To keep the current drain to a minimum, the ANDE comms payload sleeps 90% of the time, only waking up once every 16 seconds to listen for packets. Hearing none, it goes back to sleep to convserve power. If packets are heard, then it remains awake and serves as an APRS packet digipeater until 1 minute after the last packet. In addition, ANDE has a voice synthesizer and can speak packets addressed to it.

The telemetry from the satellite will be of a similar form to that of PCSAT and PCSAT2 and will be distributed by the APRS-IS network. Dave, G4DPZ has been working on the telemetry web site. Details of the URL will be published after launch.

The RAFT-1 and ANDE satellite downlinks will be 145.825 MHz. The MARS frequencies used by MARSCOM are on Navy-Marine Corps MARS frequencies.

For full technical details please refer to:
http://www.ew.usna.edu/%7Ebruninga/ande-raft-ops.html

[ANS thanks Bob, WB4APR, and the US Naval Academy Satellite Laboratory for the above information]

/EX

SB SAT @ AMSAT $ANS-337.06
SKN In memory of K7RR

AMSAT News Service Bulletin 337.06
From AMSAT HQ SILVER SPRING, MD.
December 3, 2006
To All RADIO AMATEURS
BID: $ANS-337.06

SKN on OSCAR 2007 TO BE IN MEMORY OF K7RR

All radio amateurs, worldwide, are cordially invited to participate in Straight Key Night on OSCAR 2007. This year, the event is dedicated to the memory of Cliff Buttschardt, K7RR. Cliff was an enthusiastic and longtime SKN participant on both OSCAR and HF, as well as a perennial Best Fist winner. He will be sorely missed.

Participating in SKN on OSCAR 2007 is easy. No rules, no scoring and no need to send in a log. Just operate CW through any OSCAR etween 0000 and 2400 UTC on 1 January 2007, using a straight hand key.

In keeping with the friendly nature of this event, all participants are encouraged to nominate someone they worked for "Best Fist." Your nominee need not have the best fist of those you heard, just of those you worked. Please send your nomination to w2rs@amsat.org. A list of those nominated will appear in ANS and The AMSAT Journal.

CU SKN!

73,

Ray W2RS

[ANS thanks Ray, W2RS, for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the
President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.
Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Dee Interdonato, NB2F

408. FYI: New Radio Website

Newsgroup: rec.radio.amateur.space
Date: 2006-12-03 19:17:35 UTC
From: Martin Johnson <ac7lk@aol.com>
Message-ID: <gsednej1WpB3v-7YnZ2dnUVZ_tednZ2d@nventure.com>
Source record: 1464

http://kc7zwg.com

409. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 17:25:43 UTC
From: bobandcarole <bobandcarole1010@hotmail.com>
Message-ID: <1165425943.817914.20640@l12g2000cwl.googlegroups.com>
Source record: 1465
Cross-posted to: alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> men, he likes young teen boys. We should pray for him that he gets a
> handle on this problem and refrains from harming any more kids.
>
>
> Meanwhile, we need to wake up. The fact that this is typical behavior
> for homosexuals doesn't stop us from continuing to elevate such folks
> to positions where they gain access to our kids.
>
>
> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244

410. spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 17:46:22 UTC
From: Mark@kb9rqz.aprs
Message-ID: <he0en2p9uadn83m20caa7plngati5jt6b0@4ax.com>
Source record: 1466
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
<bobandcarole1010@hotmail.com> wrote:

>
>
>> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> men, he likes young teen boys. We should pray for him that he gets a
>> handle on this problem and refrains from harming any more kids.
>>
>>
>> Meanwhile, we need to wake up. The fact that this is typical behavior
>> for homosexuals doesn't stop us from continuing to elevate such folks
>> to positions where they gain access to our kids.
>>
>>
>> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
don't ever get tried of spreading hate?
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

411. Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 17:48:59 UTC
From: bobandcarole <bobandcarole01@hotmail.com>
Message-ID: <1165427339.761425.223410@79g2000cws.googlegroups.com>
Source record: 1467
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

M...@kb9rqz.aprs wrote:
> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> <bobandcarole1010@hotmail.com> wrote:
>
> >
> >
> >> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >> men, he likes young teen boys. We should pray for him that he gets a
> >> handle on this problem and refrains from harming any more kids.
> >>
> >>
> >> Meanwhile, we need to wake up. The fact that this is typical behavior
> >> for homosexuals doesn't stop us from continuing to elevate such folks
> >> to positions where they gain access to our kids.
> >>
> >>
> >> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> don't ever get tried of spreading hate?

You confuse truth with hate.

412. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 17:56:20 UTC
From: bobandcarole <bobandcarole555@hotmail.com>
Message-ID: <1165427779.888588.130580@l12g2000cwl.googlegroups.com>
Source record: 1468
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
bobandcarole wrote:
> M...@kb9rqz.aprs wrote:
> > On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> > <bobandcarole1010@hotmail.com> wrote:
> >
> > >
> > >
> > >> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> > >> men, he likes young teen boys. We should pray for him that he gets a
> > >> handle on this problem and refrains from harming any more kids.
> > >>
> > >>
> > >> Meanwhile, we need to wake up. The fact that this is typical behavior
> > >> for homosexuals doesn't stop us from continuing to elevate such folks
> > >> to positions where they gain access to our kids.
> > >>
> > >>
> > >> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> > don't ever get tried of spreading hate?
>
> You confuse truth with hate.
```

413. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 17:58:55 UTC
From: gwatts <gwatts@frontiernet.net>
Message-ID: <zxDdh.7018$ya1.6667@news02.roc.ny>
Source record: 1469
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

bobandcarole wrote:
> bobandcarole wrote:
>
>>M...@kb9rqz.aprs wrote:
>>
>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>>><bobandcarole1010@hotmail.com> wrote:
>>>
>>>
>>>>
>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>>>>>men, he likes young teen boys. We should pray for him that he gets a
>>>>>handle on this problem and refrains from harming any more kids.
>>>>>
>>>>>
>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>>>>>to positions where they gain access to our kids.
>>>>>
>>>>>
>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>>>
>>>don't ever get tried of spreading hate?
>>
>>You confuse truth with hate.

And you confuse rec.radio.amateur.space with a newsgroup that gives a
damn about your whiny, misleading, unsubstantiated spewage.

414. hate spaming along

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 18:35:32 UTC
From: Mark@kb9rqz.aprs
Message-ID: <pa3en2l1am6r1r21qj3vdroa0jg2gfbsfl@4ax.com>
Source record: 1470
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
On 6 Dec 2006 09:48:59 -0800, "bobandcarole"
<bobandcarole01@hotmail.com> wrote:

>
>M...@kb9rqz.aprs wrote:
>> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> <bobandcarole1010@hotmail.com> wrote:
>>
>> >
>> >
>> >> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >> men, he likes young teen boys. We should pray for him that he gets a
>> >> handle on this problem and refrains from harming any more kids.
>> >>
>> >>
>> >> Meanwhile, we need to wake up. The fact that this is typical behavior
>> >> for homosexuals doesn't stop us from continuing to elevate such folks
>> >> to positions where they gain access to our kids.
>> >>
>> >>
>> >> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> don't ever get tried of spreading hate?
>
>You confuse truth with hate.
no I don't

you confus e hate with truth
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com
```

415. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 18:41:37 UTC
From: bobandcarole <bobandcarole666@hotmail.com>
Message-ID: <1165430497.064806.191380@n67g2000cwd.googlegroups.com>
Source record: 1471
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
gwatts wrote:
> bobandcarole wrote:
> > bobandcarole wrote:
> >
> >>M...@kb9rqz.aprs wrote:
> >>
> >>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >>><bobandcarole1010@hotmail.com> wrote:
> >>>
> >>>
> >>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >>>>men, he likes young teen boys. We should pray for him that he gets a
> >>>>handle on this problem and refrains from harming any more kids.
> >>>>
> >>>>
> >>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> >>>>for homosexuals doesn't stop us from continuing to elevate such folks
> >>>>to positions where they gain access to our kids.
> >>>>
> >>>>
> >>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >>>
> >>>don't ever get tried of spreading hate?
> >>
> >>You confuse truth with hate.
> >
> And you confuse rec.radio.amateur.space with a newsgroup that gives a
> damn about your whiny, misleading, unsubstantiated spewage.
And I take you have proof that it's "misleading"??
Or are you blowing smoke out of your canyon ass?
```

416. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 18:50:56 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <oO-dnWrboq6ZrOrYnZ2dnUVZ_rSdnZ2d@adelphia.com>
Source record: 1473
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

TAKE YOUR BULLSHIT SOMEPLACE ELSE -

<Mark@kb9rqz.aprs> wrote in message
news:he0en2p9uadn83m20caa7plngati5jt6b0@4ax.com...
> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> <bobandcarole1010@hotmail.com> wrote:
>
>>
>>
>>> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>>> men, he likes young teen boys. We should pray for him that he gets a
>>> handle on this problem and refrains from harming any more kids.
>>>
>>>
>>> Meanwhile, we need to wake up. The fact that this is typical behavior
>>> for homosexuals doesn't stop us from continuing to elevate such folks
>>> to positions where they gain access to our kids.
>>>
>>>
>>> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> don't ever get tried of spreading hate?
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com
>

417. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 18:51:34 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <oO-dnWXboq6YrOrYnZ2dnUVZ_rSdnZ2d@adelphia.com>
Source record: 1474
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

TAKE YOUR BULLSHIT TO HELEN AN WAITE

"bobandcarole" <bobandcarole01@hotmail.com> wrote in message
news:1165427339.761425.223410@79g2000cws.googlegroups.com...
>
> M...@kb9rqz.aprs wrote:
>> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> <bobandcarole1010@hotmail.com> wrote:
>>
>> >
>> >
>> >> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >> men, he likes young teen boys. We should pray for him that he gets a
>> >> handle on this problem and refrains from harming any more kids.
>> >>
>> >>
>> >> Meanwhile, we need to wake up. The fact that this is typical behavior
>> >> for homosexuals doesn't stop us from continuing to elevate such folks
>> >> to positions where they gain access to our kids.
>> >>
>> >>
>> >> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> don't ever get tried of spreading hate?
>
> You confuse truth with hate.
>

418. hate monger spam

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 18:58:58 UTC
From: Mark@kb9rqz.aprs
Message-ID: <hk4en21lglh2o5gtcga86qbc9hehouchp1@4ax.com>
Source record: 1472
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On 6 Dec 2006 10:41:37 -0800, "bobandcarole"
<bobandcarole666@hotmail.com> wrote:

>gwatts wrote:
>> bobandcarole wrote:
>> > bobandcarole wrote:
>> >
>> >>M...@kb9rqz.aprs wrote:
>> >>
>> >>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> >>><bobandcarole1010@hotmail.com> wrote:
>> >>>
>> >>>
>> >>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >>>>men, he likes young teen boys. We should pray for him that he gets a
>> >>>>handle on this problem and refrains from harming any more kids.
>> >>>>
>> >>>>
>> >>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>> >>>>for homosexuals doesn't stop us from continuing to elevate such folks
>> >>>>to positions where they gain access to our kids.
>> >>>>
>> >>>>
>> >>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> >>>
>> >>>don't ever get tried of spreading hate?
>> >>
>> >>You confuse truth with hate.
>> >
>> And you confuse rec.radio.amateur.space with a newsgroup that gives a
>> damn about your whiny, misleading, unsubstantiated spewage.
>And I take you have proof that it's "misleading"??

there exist no evedence that Homosexaul are likely to be pedohpiiles
than hetero

you make aburd suggestsion

and the content has nothing to outer space the subject of one the the
ng you are spreading you hate it
>Or are you blowing smoke out of your canyon ass?
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

419. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 21:11:04 UTC
From: Mark@kb9rqz.aprs
Message-ID: <tdcen2ptql8pf9rhjbhd58plk8p1ccdlg5@4ax.com>
Source record: 1475
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Wed, 6 Dec 2006 13:50:56 -0500, "John Doe" <hgorden@adelphia.net>
wrote:

>TAKE YOUR BULLSHIT SOMEPLACE ELSE -
>

no bullshit here I was just pointing out the fact you deem yourself at
liberty to respond to the same source I can do the same
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

420. Re: hate monger spam

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 23:48:14 UTC
From: bobandcarole <bobandcarole666@hotmail.com>
Message-ID: <1165448894.551528.208020@79g2000cws.googlegroups.com>
Source record: 1476
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
Mark@kb9rqz.aprs wrote:
> On 6 Dec 2006 10:41:37 -0800, "bobandcarole"
> <bobandcarole666@hotmail.com> wrote:
>
> >gwatts wrote:
> >> bobandcarole wrote:
> >> > bobandcarole wrote:
> >> >
> >> >>M...@kb9rqz.aprs wrote:
> >> >>
> >> >>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >> >>><bobandcarole1010@hotmail.com> wrote:
> >> >>>
> >> >>>
> >> >>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >> >>>>men, he likes young teen boys. We should pray for him that he gets a
> >> >>>>handle on this problem and refrains from harming any more kids.
> >> >>>>
> >> >>>>
> >> >>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> >> >>>>for homosexuals doesn't stop us from continuing to elevate such folks
> >> >>>>to positions where they gain access to our kids.
> >> >>>>
> >> >>>>
> >> >>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >> >>>
> >> >>>don't ever get tried of spreading hate?
> >> >>
> >> >>You confuse truth with hate.
> >> >
> >> And you confuse rec.radio.amateur.space with a newsgroup that gives a
> >> damn about your whiny, misleading, unsubstantiated spewage.
> >And I take you have proof that it's "misleading"??
>
> there exist no evedence that Homosexaul are likely to be pedohpiiles
> than hetero
>
> you make aburd suggestsion
Spit it out Jethro
>
> and the content has nothing to outer space the subject of one the the
> ng you are spreading you hate it
```

> >Or are you blowing smoke out of your canyon ass?
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com

421. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 23:49:18 UTC
From: bobandcarole <bobandcarole666@hotmail.com>
Message-ID: <1165448958.585896.73200@16g2000cwy.googlegroups.com>
Source record: 1477
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

John Doe wrote:
> TAKE YOUR BULLSHIT TO HELEN AN WAITE

Didn't take your meds today?
>
> "bobandcarole" <bobandcarole01@hotmail.com> wrote in message
> news:1165427339.761425.223410@79g2000cws.googlegroups.com...
> >
> > M...@kb9rqz.aprs wrote:
> >> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >> <bobandcarole1010@hotmail.com> wrote:
> >>
> >> >
> >> >
> >> >> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >> >> men, he likes young teen boys. We should pray for him that he gets a
> >> >> handle on this problem and refrains from harming any more kids.
> >> >>
> >> >>
> >> >> Meanwhile, we need to wake up. The fact that this is typical behavior
> >> >> for homosexuals doesn't stop us from continuing to elevate such folks
> >> >> to positions where they gain access to our kids.
> >> >>
> >> >>
> >> >> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >> don't ever get tried of spreading hate?
> >
> > You confuse truth with hate.
> >

422. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 23:50:53 UTC
From: bobandcarole <bobandcarole666@hotmail.com>
Message-ID: <1165449053.020460.182500@n67g2000cwd.googlegroups.com>
Source record: 1478
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Mark@kb9rqz.aprs wrote:
> On Wed, 6 Dec 2006 13:50:56 -0500, "John Doe" <hgorden@adelphia.net>
> wrote:
>
> >TAKE YOUR BULLSHIT SOMEPLACE ELSE -
> >
>
> no bullshit here I was just pointing out the fact you deem yourself at
> liberty to respond to the same source I can do the same

He/she/it is obviously an idiot

> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com

423. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 23:54:45 UTC
From: Mark@kb9rqz.aprs
Message-ID: <h1men21j32ad838fetc0sj6nkrdnj4si6g@4ax.com>
Source record: 1479
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On 6 Dec 2006 15:50:53 -0800, "bobandcarole"
<bobandcarole666@hotmail.com> wrote:

>
>Mark@kb9rqz.aprs wrote:
>> On Wed, 6 Dec 2006 13:50:56 -0500, "John Doe" <hgorden@adelphia.net>
>> wrote:
>>
>> >TAKE YOUR BULLSHIT SOMEPLACE ELSE -
>> >
>>
>> no bullshit here I was just pointing out the fact you deem yourself at
>> liberty to respond to the same source I can do the same
>
>He/she/it is obviously an idiot

he likely is you OTOH are an idoit and hate monger
>
>
>> http://kb9rqz.blogspot.com/
>>
>> --
>> Posted via a free Usenet account from http://www.teranews.com
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

424. Re: hate monger spam

Newsgroup: rec.radio.amateur.space
Date: 2006-12-06 23:55:58 UTC
From: Mark@kb9rqz.aprs
Message-ID: <43men2li2dquraevnfme0l8khm0jck48or@4ax.com>
Source record: 1480
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
On 6 Dec 2006 15:48:14 -0800, "bobandcarole"
<bobandcarole666@hotmail.com> wrote:

>
>Mark@kb9rqz.aprs wrote:
>> On 6 Dec 2006 10:41:37 -0800, "bobandcarole"
>> <bobandcarole666@hotmail.com> wrote:
>>
>> >gwatts wrote:
>> >> bobandcarole wrote:
>> >> > bobandcarole wrote:
>> >> >
>> >> >>M...@kb9rqz.aprs wrote:
>> >> >>
>> >> >>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> >> >>><bobandcarole1010@hotmail.com> wrote:
>> >> >>>
>> >> >>>
>> >> >>>>
>> >> >>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >> >>>>>men, he likes young teen boys. We should pray for him that he gets a
>> >> >>>>>handle on this problem and refrains from harming any more kids.
>> >> >>>>>
>> >> >>>>>
>> >> >>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>> >> >>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>> >> >>>>>to positions where they gain access to our kids.
>> >> >>>>>
>> >> >>>>>
>> >> >>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> >> >>>
>> >> >>>don't ever get tried of spreading hate?
>> >> >>
>> >> >>You confuse truth with hate.
>> >>
>> >> And you confuse rec.radio.amateur.space with a newsgroup that gives a
>> >> damn about your whiny, misleading, unsubstantiated spewage.
>> >And I take you have proof that it's "misleading"??
>>
>> there exist no evedence that Homosexaul are likely to be pedohpiiles
>> than hetero
>>
>> you make aburd suggestsion
```

>Spit it out Jethro

spit what out I have plainly called you a lying hatemonger that is
pretty ignorant of the real world
>>
>> and the content has nothing to outer space the subject of one the the
>> ng you are spreading you hate it
>> >Or are you blowing smoke out of your canyon ass?
>> http://kb9rqz.blogspot.com/
>>
>> --
>> Posted via a free Usenet account from http://www.teranews.com
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

425. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-07 13:04:56 UTC
From: gwatts <gwatts@frontiernet.net>
Message-ID: <YjUdh.7086$ya1.4050@news02.roc.ny>
Source record: 1481
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

bobandcarole wrote:
> gwatts wrote:
>
>>bobandcarole wrote:
>>
>>>bobandcarole wrote:
>>>
>>>
>>>>M...@kb9rqz.aprs wrote:
>>>>
>>>>
>>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>>>>><bobandcarole1010@hotmail.com> wrote:
>>>>>
>>>>>
>>>>>
>>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>>>>>>men, he likes young teen boys. We should pray for him that he gets a
>>>>>>handle on this problem and refrains from harming any more kids.
>>>>>>
>>>>>>
>>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>>>>>>to positions where they gain access to our kids.
>>>>>>
>>>>>>
>>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>>>>>
>>>>>don't ever get tried of spreading hate?
>>>>
>>>>You confuse truth with hate.
>>
>>And you confuse rec.radio.amateur.space with a newsgroup that gives a
>>damn about your whiny, misleading, unsubstantiated spewage.
>
> And I take you have proof that it's "misleading"??

You said 'typical behavior,' prove it.

> Or are you blowing smoke out of your canyon ass?

For someone so anti-homosexual you sure have a lot of fascination with
'canyon asses.'

What do you know about 'typical behavior for homosexuals,' have any citations from recognized, peer reviewed publications?

<crickets>

What do you know about 'many homosexual men, (who) like young teen boys,', any citations, or do you just parrot the more sensational crap you hear on Faux News?

<crickets>

You're really sad. Why don't you go die and take your bigoted, brain stem friends with you? America would be a much better country for it.

I said that.
W8LNA

426. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-07 16:15:18 UTC
From: SueDoeCyAnts <pseudocy@labb.port5.com>
Message-ID: <Xns98925411DF08OriginaliseThisThief@198.186.190.163>
Source record: 1482
Cross-posted to: alt.politics.homosexuality,alt.education,rec.radio.amateur.space,rec.food.drink.beer

on Wed 06 Dec 2006 10:41:37a
"bobandcarole" <bobandcarole666@hotmail.com> posted
in news:1165430497.064806.191380@n67g2000cwd.googlegroups.com:

> gwatts wrote:

>> And you confuse rec.radio.amateur.space with a newsgroup that
>> gives a damn about your whiny, misleading, unsubstantiated
>> spewage.
>>
> And I take you have proof that it's "misleading"??
> Or are you blowing smoke out of your canyon ass?
>
>

Did you already forget?

I'll repost for you asshole

I have grown exceedingly weary of your dissembling and conflation.
This really is not going to help resolve your underlying problems.

I realise that it is difficult dealing with the personal
knowledge, which is to you self-evident; that all men are not
created equal, that you were endowed by your Creator with a
certain unascertainable rod. The prognosis of all persons
afflcited with Genitalia Deficit Disorder (GDD) is not good, but
when it is as in your instance, a case so acute, it would fail to
pass munster at the gherkin pickling cannery, the outlook is bleak
indeed. Add to that your nightly episodes of awakening with a
cold sweat and sticky sheets in a state of terror from your
Dreaming about Swordfighting with Peter Pan, and I tell you
Tinker Bell, you are one fucked up asshole.

First, you allege any pedophile who molests boys is necessarily
gay, and the facts indicate otherwise. The vast majority of
little boy molestors admit to a strong preference for women in
their adult to adult sexual relations.

Secondly, your sources are lame pieces of shit, who deceitfully
lay claim to their expetise in the field. The World Net Daily
article you've have thrown around usenet for months now was
written by Linda Harvey, who World Net Daily identifies as
"founder of Mission America, which monitors and reports on the
promotion of homosexuality to youth." As is usually the case for
WND, they play their own game of NeoCon Circle Jerking

referencing, because Harvey is much more than just the founder, she IS Mission America.

A whois lookup identifies her as Registrant, Administrative and Technical contact, and she goes whole hog on the site, which uses Paypal for contributions and freestats.com for site tracking information. It seems that poor Linda doesn't get to view server logs. This is probably because the site is served up by Netfronts Inc on IP: 64.92.120.1 which a reverse look-up finds has 1,375 other sites hosted on this server. This is one high-end org.

What about Harvey's credentials as a homoexpert?
The bio at her website is illuminative:
<http://www.missionamerica.com/wholinda.php>

"The media ministry of Linda Harvey is an outgrowth of
her Christian faith and a successful career in
journalism, marketing and public relations.

As a former advertising executive, Mrs. Harvey has
specialized in creating new communications' vehicles.
She has started more than twenty-five publications and
overseen multi-million dollar advertising campaigns,
primarily in the health care industry."

It goes on to say that Harvey has a BA in English and has completed some graduate work.

Whoa Jezebel!

An advertising flack with a 4 year English degree. That certainly adds great credence to her work as an expert on homosexuality.

Your second cut-n-paste didn't even come with an attribution. Could the reason be because the author is even more suspect than Harvey? The citation is:

"Child Molestation and Homosexuality"
By Paul Cameron, Ph. D., chairman of
the Family Research Institute of Colorado Springs, Colorado.
<http://www.familyresearchinst.org/FRI_EduPamphlet2.html>

The best part of this clown's article are the notes, which hew obviously has grown so weary of them being trashed by real experts, he makes them difficult to access by squeezing them into a graphics so tiny, the citations are hard to even read.
<http://www.familyresearchinst.org/molestation_refs.jpg>

I did notice he's from Colorado Springs
Do Tell...
Paulie C. wouldn't happen to be a member of the Reverend Ted 'glasspipe' Haggard, who recently provided an entirely novel take on the Psalm that says,
"thy rod and thy staff,

they comfort me...",
would he?

Here's todays clue B&C:
What Haggard has been using to annoiteth your head,
It ain't oil.

What Cameron is without a doubt though is a dishonest asswipe, who has been tossed out of The American Psychological Association, and whose research has been condemned by The Nebraska Psychological Association, along with the American Sociological Association.

Gregory M. Herek, Ph.D., Professor, UC, Davis School of Psychology exposes Cameron for the fraud that he is in both
his research:
<http://psychology.ucdavis.edu/rainbow/html/facts_cameron.html>
and his professional endevours:
<http://psychology.ucdavis.edu/rainbow/html/facts_cameron_sheet.html>

You are one imbelcilic raver...
and you're unable to come up with anymore
lying authors to back up your ignorant and dishonest hate.

trivial pursuit...

427. Radio Meteor Obs. Bull. November 2006 Leonids

Newsgroup: rec.radio.amateur.space
Date: 2006-12-07 21:27:04 UTC
From: Chris Steyaert <observations@rmob.org>
Message-ID: <3o1hn2hartrkoaoji1r9o6gqgg9vmsif2d@4ax.com>
Source record: 1483
Cross-posted to: rec.radio.amateur.space,sci.astro.amateur

Radio Meteor Observation Bulletin No. 160 of November 2006 (78K) is available now as

http://visualrmob.free.fr/rmobtext/rmob0611.txt

More information and the visual presentation of the hourly forward scatter counts can be found on

http://www.rmob.org

http://radio.data.free.fr

Chris

428. WSR-338 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 02:41:46 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <1tqdna-RMu14TeXYnZ2dnUVZ_vGinZ2d@comcast.com>
Source record: 1484

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-338.S1
WSR 338 Part 1 12/04/2006

AMSAT NEWS SERVICE BULLETIN 338.S1 FROM AMSAT HQ
SILVER SPRING, MD, December 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-338.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that
is active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with the planned launch of
STS-
116 this week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

[12042006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-338.S2
WSR 338 Part 2 12/04/2006

AMSAT NEWS SERVICE BULLETIN 338.S2 FROM AMSAT HQ
SILVER SPRING, MD, December 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-338.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP

PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with the planned launch of
STS-
116 this week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[12042006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-338.S3
WSR 338 Part 3 12/04/2006

AMSAT NEWS SERVICE BULLETIN 338.S3 FROM AMSAT HQ
SILVER SPRING, MD, December 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-338.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI

Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT

Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]

=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549

Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-338.S4
WSR 338 Part 4 12/04/2006

AMSAT NEWS SERVICE BULLETIN 338.S4 FROM AMSAT HQ
SILVER SPRING, MD, December 04, 2006
TO ALL RADIO AMATEURS
BID: $ANS-338.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

429. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 06:53:05 UTC
From: bob&carole <bobandcarole666@hotmail.com>
Message-ID: <1165560785.833784.325680@80g2000cwy.googlegroups.com>
Source record: 1485
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

gwatts wrote:
> bobandcarole wrote:
> > gwatts wrote:
> >
> >>bobandcarole wrote:
> >>
> >>>bobandcarole wrote:
> >>>
> >>>
> >>>>M...@kb9rqz.aprs wrote:
> >>>>
> >>>>
> >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >>>>><bobandcarole1010@hotmail.com> wrote:
> >>>>>
> >>>>>
> >>>>>
> >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >>>>>>men, he likes young teen boys. We should pray for him that he gets a
> >>>>>>handle on this problem and refrains from harming any more kids.
> >>>>>>
> >>>>>>
> >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
> >>>>>>to positions where they gain access to our kids.
> >>>>>>
> >>>>>>
> >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >>>>>
> >>>>>don't ever get tried of spreading hate?
> >>>>
> >>>>You confuse truth with hate.
> >>
> >>And you confuse rec.radio.amateur.space with a newsgroup that gives a
> >>damn about your whiny, misleading, unsubstantiated spewage.
> >
> > And I take you have proof that it's "misleading"??
>
> You said 'typical behavior,' prove it.
>
> > Or are you blowing smoke out of your canyon ass?
>
> For someone so anti-homosexual you sure have a lot of fascination with

> 'canyon asses.'
>
> What do you know about 'typical behavior for homosexuals,' have any
> citations from recognized, peer reviewed publications?
Why bother, it's common knowledge
>
> <crickets>
>
> What do you know about 'many homosexual men, (who) like young teen
> boys,', any citations, or do you just parrot the more sensational crap
> you hear on Faux News?
I know they're deviants, that's all I need to know.
>
> <crickets>
>
> You're really sad. Why don't you go die and take your bigoted, brain
> stem friends with you?

Why don't you suck a fart out of my ass, dick smoker?

America would be a much better country for it.
>
> I said that.
I said this..Fuck you

> W8LNA

430. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 07:01:48 UTC
From: bob&carole <bobandcarole01@hotmail.com>
Message-ID: <1165561308.468699.28300@80g2000cwy.googlegroups.com>
Source record: 1486
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
gwatts wrote:
> bobandcarole wrote:
> > bobandcarole wrote:
> >
> >>M...@kb9rqz.aprs wrote:
> >>
> >>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >>><bobandcarole1010@hotmail.com> wrote:
> >>>
> >>>
> >>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >>>>men, he likes young teen boys. We should pray for him that he gets a
> >>>>handle on this problem and refrains from harming any more kids.
> >>>>
> >>>>
> >>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> >>>>for homosexuals doesn't stop us from continuing to elevate such folks
> >>>>to positions where they gain access to our kids.
> >>>>
> >>>>
> >>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >>>
> >>>don't ever get tried of spreading hate?
> >>
> >>You confuse truth with hate.
> >
> And you confuse rec.radio.amateur.space with a newsgroup that gives a
> damn about your whiny, misleading, unsubstantiated spewage.

Another space ranger :-)
```

431. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 09:50:27 UTC
From: bobandcarole <bobandcarole02@hotmail.com>
Message-ID: <1165571427.549773.55410@16g2000cwy.googlegroups.com>
Source record: 1487
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

gwatts wrote:
> bobandcarole wrote:
> > gwatts wrote:
> >
> >>bobandcarole wrote:
> >>
> >>>bobandcarole wrote:
> >>>
> >>>
> >>>>M...@kb9rqz.aprs wrote:
> >>>>
> >>>>
> >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> >>>>><bobandcarole1010@hotmail.com> wrote:
> >>>>>
> >>>>>
> >>>>>
> >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> >>>>>>men, he likes young teen boys. We should pray for him that he gets a
> >>>>>>handle on this problem and refrains from harming any more kids.
> >>>>>>
> >>>>>>
> >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
> >>>>>>to positions where they gain access to our kids.
> >>>>>>
> >>>>>>
> >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> >>>>>
> >>>>>don't ever get tried of spreading hate?
> >>>>
> >>>>You confuse truth with hate.
> >>
> >>And you confuse rec.radio.amateur.space with a newsgroup that gives a
> >>damn about your whiny, misleading, unsubstantiated spewage.
> >
> > And I take you have proof that it's "misleading"??
>
> You said 'typical behavior,' prove it.
>
> > Or are you blowing smoke out of your canyon ass?
>
> For someone so anti-homosexual you sure have a lot of fascination with

> 'canyon asses.'

Lie #1
>
> What do you know about 'typical behavior for homosexuals,'

Well lets see, they buttfuck each other and ingest cum, that's bad
enough

have any
> citations from recognized, peer reviewed publications?

http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244

432. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 13:07:31 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <LuWdnYQINLeP_-TYnZ2dnUVZ_vCdnZ2d@adelphia.com>
Source record: 1488
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
WITH THE SUBJECT? NAMELY AMATEUR RADIO!

Path:
border1.nntp.dca.giganews.com!nntp.giganews.com!newsfeed00.sul.t-online.de!t-online.de!fee
der.news-service.com!news2.euro.net!66.150.105.54.MISMATCH!nntpserver.com!zeus.nntpserver.
com!hydra.nntpserver.com!not-for-mail
From: Mark@kb9rqz.aprs
Newsgroups:
alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.
drink.beer
Subject: spaming hate monger
Date: Wed, 06 Dec 2006 12:46:22 -0500
Message-ID: <he0en2p9uadn83m20caa7plngati5jt6b0@4ax.com>
References: <1159881994.642663.229430@h48g2000cwc.googlegroups.com>
<1162066010.997111.45530@i42g2000cwa.googlegroups.com>
<1164787817.495319.179220@j44g2000cwa.googlegroups.com>
<T7fbh.54807$39.24787@southeast.rr.com>
<1165311819.048659.210350@l12g2000cwl.googlegroups.com>
<1165425943.817914.20640@l12g2000cwl.googlegroups.com>
X-Newsreader: Forte Free Agent 3.3/32.846
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Lines: 18
NNTP-Posting-Date: 06 Dec 2006 16:51:48 GMT
X-Complaints-To: abuse@teranews.com
Xref: number1.nntp.dca.giganews.com alt.politics.homosexuality:996396
alt.education:243124 alt.dbs.directv:5287 rec.radio.amateur.space:23584
rec.food.drink.beer:110976

<Mark@kb9rqz.aprs> wrote in message
news:he0en2p9uadn83m20caa7plngati5jt6b0@4ax.com...

> On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> <bobandcarole1010@hotmail.com> wrote:
>
>>
>>
>>> Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>>> men, he likes young teen boys. We should pray for him that he gets a
>>> handle on this problem and refrains from harming any more kids.
>>>
>>>

>>> Meanwhile, we need to wake up. The fact that this is typical behavior
>>> for homosexuals doesn't stop us from continuing to elevate such folks
>>> to positions where they gain access to our kids.
>>>
>>>
>>> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> don't ever get tried of spreading hate?
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com
>

433. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 20:51:43 UTC
From: Mark@kb9rqz.aprs
Message-ID: <cvjjn2p4sujpo9pnk0fof39l2t3f60hhf2@4ax.com>
Source record: 1489
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
On 7 Dec 2006 22:53:05 -0800, "bob&carole"
<bobandcarole666@hotmail.com> wrote:

>
>gwatts wrote:
>> bobandcarole wrote:
>> > gwatts wrote:
>> >
>> >>bobandcarole wrote:
>> >>
>> >>>bobandcarole wrote:
>> >>>
>> >>>
>> >>>>M...@kb9rqz.aprs wrote:
>> >>>>
>> >>>>
>> >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> >>>>><bobandcarole1010@hotmail.com> wrote:
>> >>>>>
>> >>>>>
>> >>>>>
>> >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >>>>>>men, he likes young teen boys. We should pray for him that he gets a
>> >>>>>>handle on this problem and refrains from harming any more kids.
>> >>>>>>
>> >>>>>>
>> >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>> >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>> >>>>>>to positions where they gain access to our kids.
>> >>>>>>
>> >>>>>>
>> >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> >>>>>
>> >>>>>don't ever get tried of spreading hate?
>> >>>>
>> >>>>You confuse truth with hate.
>> >>
>> >>And you confuse rec.radio.amateur.space with a newsgroup that gives a
>> >>damn about your whiny, misleading, unsubstantiated spewage.
>> >
>> > And I take you have proof that it's "misleading"??
>>
>> You said 'typical behavior,' prove it.
```

>>
>> > Or are you blowing smoke out of your canyon ass?
>>
>> For someone so anti-homosexual you sure have a lot of fascination with
>> 'canyon asses.'
>>
>> What do you know about 'typical behavior for homosexuals,' have any
>> citations from recognized, peer reviewed publications?
>Why bother, it's common knowledge
>>
>> <crickets>
>>
>> What do you know about 'many homosexual men, (who) like young teen
>> boys,', any citations, or do you just parrot the more sensational crap
>> you hear on Faux News?
>I know they're deviants, that's all I need to know.

in YOUR opinion
>>
>> <crickets>
>>
>> You're really sad. Why don't you go die and take your bigoted, brain
>> stem friends with you?
>
>Why don't you suck a fart out of my ass, dick smoker?

why are you making a homosexaul com on?
>
>
>America would be a much better country for it.

that is your opinion

reality is that America will NEVER be wthout homosexaul and never has
been

the question at issue is do we treat them as human being and accord
them thier rights to human dignaty or do we make along Muslim this of
target for a new holocost
>>
>> I said that.
>I said this..Fuck you
>
>> W8LNA
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

434. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 20:52:25 UTC
From: Mark@kb9rqz.aprs
Message-ID: <d3kjn2lercd2hn725pfgkj0qr5g4fg2l8j@4ax.com>
Source record: 1490
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
On 8 Dec 2006 01:50:27 -0800, "bobandcarole"
<bobandcarole02@hotmail.com> wrote:

>
>gwatts wrote:
>> bobandcarole wrote:
>> > gwatts wrote:
>> >
>> >>bobandcarole wrote:
>> >>
>> >>>bobandcarole wrote:
>> >>>
>> >>>
>> >>>>M...@kb9rqz.aprs wrote:
>> >>>>
>> >>>>
>> >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> >>>>><bobandcarole1010@hotmail.com> wrote:
>> >>>>>
>> >>>>>
>> >>>>>
>> >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> >>>>>>men, he likes young teen boys. We should pray for him that he gets a
>> >>>>>>handle on this problem and refrains from harming any more kids.
>> >>>>>>
>> >>>>>>
>> >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>> >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>> >>>>>>to positions where they gain access to our kids.
>> >>>>>>
>> >>>>>>
>> >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> >>>>>
>> >>>>>don't ever get tried of spreading hate?
>> >>>>
>> >>>>You confuse truth with hate.
>> >>
>> >>And you confuse rec.radio.amateur.space with a newsgroup that gives a
>> >>damn about your whiny, misleading, unsubstantiated spewage.
>> >
>> > And I take you have proof that it's "misleading"??
>>
>> You said 'typical behavior,' prove it.
```

>>
>> > Or are you blowing smoke out of your canyon ass?
>>
>> For someone so anti-homosexual you sure have a lot of fascination with
>> 'canyon asses.'
>
>Lie #1
your word you eat em

>>
>> What do you know about 'typical behavior for homosexuals,'
>
>Well lets see, they buttfuck each other and ingest cum, that's bad
>enough

so do heterosexauls

>
>
>
> have any
>> citations from recognized, peer reviewed publications?
>
>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

435. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-08 20:53:15 UTC
From: Mark@kb9rqz.aprs
Message-ID: <75kjn2t1gq2lmq5570f7srjpocajjtqurl@4ax.com>
Source record: 1491
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Fri, 8 Dec 2006 08:07:31 -0500, "John Doe" <hgorden@adelphia.net>
wrote:

>AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>WITH THE SUBJECT? NAMELY AMATEUR RADIO!

becuase is was brought her by somebody

http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

436. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-09 00:19:44 UTC
From: Mark@kb9rqz.aprs
Message-ID: <c60kn2l6evf6tsg4ek8vc1ssm5q2dooc8o@4ax.com>
Source record: 1493
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Fri, 8 Dec 2006 19:22:13 -0500, "John Doe" <hgorden@adelphia.net>
wrote:

>Why don't you learn how to spell or better yet why don't you use the spell
>checker - are you too lazy or stupid?

just to stubron to do something under threat (it is RRAP you would not
undersatbd

why don't you remmebr what I am sure your mother must of have taught
you get my flies flies with honey than vinigar

of course she never explaned why wanted to catch flies :)
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

437. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-09 00:22:13 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <24CdnXg2aI-unefYnZ2dnUVZ_uyknZ2d@adelphia.com>
Source record: 1492
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Why don't you learn how to spell or better yet why don't you use the spell
checker - are you too lazy or stupid?

<Mark@kb9rqz.aprs> wrote in message
news:75kjn2t1gq2lmq5570f7srjpocajjtqurl@4ax.com...
> On Fri, 8 Dec 2006 08:07:31 -0500, "John Doe" <hgorden@adelphia.net>
> wrote:
>
>>AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>>WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>
> becuase is was brought her by somebody
>
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com
>

438. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-09 00:34:08 UTC
From: Mark@kb9rqz.aprs
Message-ID: <631kn25s4vsdv0k2afp6djvvljaui885ht@4ax.com>
Source record: 1495
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Fri, 8 Dec 2006 19:36:56 -0500, "John Doe" <hgorden@adelphia.net>
wrote:

>its too bad you didn't learn what your mother was trying to teach you!

what do you alege she was trying to teach me that I missed out on?
>
><Mark@kb9rqz.aprs> wrote in message
>news:c60kn2l6evf6tsg4ek8vc1ssm5q2dooc8o@4ax.com...
>> On Fri, 8 Dec 2006 19:22:13 -0500, "John Doe" <hgorden@adelphia.net>
>> wrote:
>>
>>>Why don't you learn how to spell or better yet why don't you use the spell
>>>checker - are you too lazy or stupid?
>>
>> just to stubron to do something under threat (it is RRAP you would not
>> undersatbd
>>
>> why don't you remmebr what I am sure your mother must of have taught
>> you get my flies flies with honey than vinigar
>>
>> of course she never explaned why wanted to catch flies :)
>> http://kb9rqz.blogspot.com/
>>
>> --
>> Posted via a free Usenet account from http://www.teranews.com
>>
>
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

439. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-09 00:36:56 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <yqudnW1gR8w1nufYnZ2dnUVZ_tijnZ2d@adelphia.com>
Source record: 1494
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

its too bad you didn't learn what your mother was trying to teach you!

<Mark@kb9rqz.aprs> wrote in message
news:c60kn2l6evf6tsg4ek8vc1ssm5q2dooc8o@4ax.com...
> On Fri, 8 Dec 2006 19:22:13 -0500, "John Doe" <hgorden@adelphia.net>
> wrote:
>
>>Why don't you learn how to spell or better yet why don't you use the spell
>>checker - are you too lazy or stupid?
>
> just to stubron to do something under threat (it is RRAP you would not
> undersatbd
>
> why don't you remmebr what I am sure your mother must of have taught
> you get my flies flies with honey than vinigar
>
> of course she never explaned why wanted to catch flies :)
> http://kb9rqz.blogspot.com/
>
> --
> Posted via a free Usenet account from http://www.teranews.com
>

440. test message - please disregard

Newsgroup: rec.radio.amateur.space
Date: 2006-12-09 21:26:02 UTC
From: John <j9432716m@yahoo.ca>
Message-ID: <12nmafb86k883be@corp.supernews.com>
Source record: 1496

```
test
```

441. Re: test message - please disregard

Newsgroup: rec.radio.amateur.space
Date: 2006-12-10 00:53:11 UTC
From: Slow Code <my.mail@no.spam>
Message-ID: <XTIeh.8327$sf5.1591@newsread4.news.pas.earthlink.net>
Source record: 1497

"John" <j9432716m@yahoo.ca> wrote in
news:12nmafb86k883be@corp.supernews.com:

>
>
> test

Please ignore. Another test message.

SC

442. ANS-344 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-12-10 03:29:09 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <JvednYcgc99k4-bYnZ2dnUVZ_h63nZ2d@comcast.com>
Source record: 1498

AMSAT NEWS SERVICE
ANS-344

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org

In this edition:

* RAFT, ANDE, MARSCom, and GeneSat-1 Satellites Going Up This Week
* Last Chance for Federal CFC Contributions to AMSAT This Week
* Send Your Name and Callsign to the Moon
* Please Make Your Updates to the AMSAT Volunteer Reporting System
* AMSAT-UK Initiates Push for Region 1 Microwave Satellite Allocation
* Unique Donation Opportunity Through The Pension Protection Act
* Satellite News From All Over
* ARISS Status Report for the Week of December 4, 2006

SB SAT @ AMSAT $ANS-344.01
RAFT, ANDE, MARSCom, and GeneSat-1 Satellites Going Up This Week

AMSAT News Service Bulletin 344.01
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.01

Space Shuttle Discovery was successfully launched on Saturday carrying to orbit three new satellites, RAFT-1, MARSCOM and ANDE designed, built, and tested by the Midshipmen of the US Naval Academy's Satellite Laboratory in Annapolis, Maryland.

The RAFT-1 and ANDE satellite downlinks will be 145.825 MHz. The frequencies used by MARSCOM are on Navy-Marine Corps MARS frequencies.

For full technical details please refer to:
http://www.ew.usna.edu/%7Ebruninga/ande-raft-ops.html

Another feature of the RAFT mission will allow amateur radio operators to listen to the signal as the satellite crosses the National Space Surveillance Network satellite radar tracking system. RAFT has a

216.98 MHz direct conversion receiver down to 145.825 MHz so you will hear the radar ping on RAFT's downlink. It will be a tone proportional to the Doppler as it flies through the radar fence, lasting about one second.

GeneSat-1, a secondary payload aboard the Minotaur Launch Vehicle, will launch from the Mid-Atlantic Regional Spaceport (MARS) at NASA Wallops Flight Facility on December 11, 2006, about 7:00am EST. The Minotaur launch window is 3 hours, 1200z-1500z. GeneSat-1 is a 10 x 10 x 30 cm. spacecraft, which will conduct a cellular biology technology demonstration.

Of particular interest to the amateur radio satellite community, is the GeneSat-1 beacon. Operating at 437.075 MHz FM, the beacon sends an AX.25 packet every 5 seconds; the packet contains data about the spacecraft systems operation. Full details are available on the mission website at http://www.genesat1.org.

[ANS thanks the US Naval Academy and GeneSat teams for the above information]

/EX

SB SAT @ AMSAT $ANS-344.02
Last Chance for Federal CFC Contributions to AMSAT This Week

AMSAT News Service Bulletin 344.02
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.02

Attention Federal Employees - This is your final week to support AMSAT through your pledge in the Combined Federal Campaign (CFC). Gunther Meisse, W8GSM, and AMSAT treasurer has announced that any Federal employee can make a contribution to the Radio Amateur Satellite Corporation when they complete their pledge for 2006. AMSAT is listed as Agency Number CFC 2944.

Your contribution directly supports AMSAT's educational outreach and satellite construction projects including work on AMSAT-Eagle. Pledges may be made by Federal civilian, postal and military donors during the campaign season.

The campaign runs from September 1st to December 15th, 2006.

To learn more about CFC visit the CFC website at:
http://www.opm.gov/cfc/

[ANS thanks Gunther Meisse, W8GSM, AMSAT Treasurer for the above information]

/EX

SB SAT @ AMSAT $ANS-344.03
Send Your Name and Callsign to the Moon

AMSAT News Service Bulletin 344.03
From AMSAT HQ SILVER SPRING, MD.

December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.03

The Japan Aerospace Exploration Agency (JAXA) is scheduled to launch the SELENE lunar orbiter by an H-IIA Launch Vehicle in the summer of 2007.

The major objective of the SELENE mission is to acquire scientific data to answer key questions on the Moon's origin and evolution. It is the first fully-fledged lunar exploration project since the Apollo program.

JAXA is collecting names and will have them etched on a sheet which is attached to the spacecraft. This is a worldwide campaign sponsored by JAXA in cooperation with The Planetary Society of Japan and The Planetary Society of the U.S.A.

Please send your name and message within the following letter limits before January 31, 2007:
In Japanese: Name should be within 10 characters, and the message should be within 20 characters.
In English: Name should be within 10 letters, and the message should be within 40 letters.

More information is availabe in English at:
http://www.jaxa.jp/pr/event/selene/index_e.html

[ANS thanks JAXA for the above information]

/EX

SB SAT @ AMSAT $ANS-344.04
Please Make Your Updates to the AMSAT Volunteer Reporting System

AMSAT News Service Bulletin 344.04
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.04

Attention AMSAT Volunteers:
It is that time of the year again.
We need to be sure as many volunteer hours as possible have been reported to the VRS (Volunteer Reporting System) on the AMSAT web site. Over the last few years thousands of dollars of volunteer time have been reported and we are sure this year will be our largest given all the work that has done on Eagle.

If you are already registered on the VRS site please take a few minutes and report these 2006 hours. If you have not reported before, please visit amsat.org, register, and help us keep track of this important aspect of the AMSAT mission. We'll keep the year open until the middle of January but hope you will take the time within the next

couple weeks to update your report. You may combine your efforts for the entire year into one filing if that would make the process more convenient.

[ANS thanks Gunther Meisse, W8GSM, AMSAT Treasurer for the above information]

/EX

SB SAT @ AMSAT $ANS-344.05
AMSAT-UK Initiates Push for Region 1 Microwave Satellite Allocation

AMSAT News Service Bulletin 344.05
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.05

Graham, G3VZV announced last week that AMSAT-UK is working with RSGB on a proposal paper to seek to establish access to the 3400-3410 MHz band for the Amateur Satellite Service in IARU Region 1. This meeting is scheduled for February, 2007.

At present only Regions 2 and 3 have such an ITU allocation and here in Region 1, even terrestrial activity is only by footnote to the Radio Regulations or by national rule making.

We have a list of Region 1 countries that do have such terrestrial access - see http://www.uk.amsat.org/images/3400region1.JPG

If anyone has any corrections or additions to the list please let Graham know [callsign at amsat.org].

[ANS thanks Graham, G3VZV for the above information]

/EX

SB SAT @ AMSAT $ANS-344.06
Unique Donation Opportunity Through The Pension Protection Act

AMSAT News Service Bulletin 344.06
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.06

Recent legislation passed by Congress and signed by President Bush can help AMSAT raise the funds needed to build Eagle. The law, called the Pension Protection Act (PPA), includes a provision enabling AMSAT to raise substantially more money than might have been previously possible. However, time is short to take full advantage of this unique opportunity.

Serious construction work must be funded this year to have Eagle ready to orbit by the target of 2009.

Basically, here's the story on how the new law can help Eagle fly!

The PPA provides that U.S. taxpayers with IRAs who have reached the age of 70-1/2, may contribute to qualified charities, part or all (up to $100,000 per year or $200,000 for married couples filing jointly), of the money they must annually withdraw from their IRAs.

Thus, many AMSAT members and other supporters of the amateur radio space program have a marvelous opportunity to keep the Eagle project on track.

If you must withdraw a certain amount from your IRA each year, there is a big advantage to making such withdrawals as direct contributions to AMSAT rather than merely receiving the distributions and then contributing in the usual manner. Under PPA, the amount you contribute directly is NOT counted as income and thus may put you into a lower tax bracket. It may also reduce the percentage of your Social Security income subject to taxation.

Key provisions of the new legislation to keep in mind:

1. Donors must hold either a conventional or Roth IRA.

2. Donors must be at least 70-1/2 years of age.

3. Contributions must be made directly from the IRA to the charitable organization not to a donor- advised fund, private foundation, gift annuity or trust.

4. Donations may be made this year and next only, and must be made by December 31, 2006 and December 31, 2007.

5. The maximum amount a contributor may donate each year is $100,000.

6. Direct contributions to qualified charities from IRAs, in accordance with the PPA provisions, are NOT counted as taxable income.

If you are 70-1/2 or older and have an IRA, you are in a position to take advantage of this potential windfall for the Eagle project. AMSAT urges you to first check with your tax advisor for specifics regarding your individual situation, then ask your IRA custodian to transfer to AMSAT part or all of what you are required to withdraw. Be sure to have this transfer completed before December 31st.

Let's all of us do our part to get Eagle into orbit.

* Have your IRA custodian call the AMSAT office to get information on how to transfer your contribution. The number 301-589-6062. Office hours are 10 AM to 6 PM EST.

[ANS thanks BIll, W3XO, for the above information]

/EX

SB SAT @ AMSAT $ANS-344.07
Satellite News From All Over

AMSAT News Service Bulletin 344.07
From AMSAT HQ SILVER SPRING, MD.

December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.07

* Heads up for European satellite operators! Paul, 2E1EUB says he will be active from Scotland on the birds from December 10-14.

* Ed Long, WA4SWJ, Editor of The AMSAT Journal announced this week that the Nov/Dec 06 issue of The AMSAT Journal was uploaded to the printer. You should have it in you mailbox soon. Thanks to all the Journal contributors.

* The HC8N (Galapagos Islands) contest group was active on the AO-51 and SO-50 satellites prior to the CQ WW CW Contest. A total of 16 QSOs were made via these satellites in 6 countries. Ramon, XE1KK - who had given many operators their first satellite QSO with the Galapagos finally worked HC8N via SO-50. The HC8N 2006 satellite station consisted of a FT-50R and an "Arrow" antenna. Bruce, AA5B and Mark, N5OT assisted with the satellite activity. QSL via W5UE.

* Matthias, DD1US has a "Sounds from Space" webpage at http://www.dd1us.de. He has collected recordings of space objects like MIR, ISS and satellites presently in orbit which may be of help to people identify transmissions they might have received.

[ANS thanks everyone for the above information]

/EX

SB SAT @ AMSAT $ANS-344.08
ARISS Status Report for the Week of December 4, 2006

AMSAT News Service Bulletin 344.08
From AMSAT HQ SILVER SPRING, MD.
December 10, 2006
To All RADIO AMATEURS
BID: $ANS-344.08

1. School Contacts to be Scheduled

The Amateur Radio on the International Space Station (ARISS) team continues to work on scheduling school contacts for December.

2. ARRL Article on Henri D'Haese School Contact

The American Radio Relay League (ARRL) ran an article on Mike Lopez-Alegria's Amateur Radio contact with children attending the Henri D'Haese Primary School in Belgium. See: http://www.arrl.org/news/stories/2006/11/28/102/?nc=1

3. Debrief Session with Space Visitor

On Tuesday, November 28, the ARISS team spoke with space participant Anousheh Ansari to discuss her experience with Amateur Radio contacts while onboard the ISS. She provided valuable feedback to the team.

4. Astronaut Participates in SKYWARN Recognition Day

The National Weather Service (NWS) and the American Radio Relay League co-sponsored SKYWARN Recognition Day on Saturday, December 2 to thank those hams who volunteer to act as storm spotters and who are trained in emergency communications. The activity called for Amateur Radio perators to exchange contact information, including a short weather report for their location, with as many NWS stations as possible. Mike Lopez-Alegria, KE5GTK, took part in the activities and was heard speaking to hams in Texas.

5. ARRL Story on ARISS Mentor

The American Radio Relay League (ARRL) ran a story on Barry Cohen, K2JV. Cohen mentored the Salt Brook Elementary School Amateur Radio on the ISS contact in New Providence, New Jersey, in June of this year and was recently named "Amateur of the Year." See: http://www.arrl.org/?artid=6981

6. ARRL Article on Shuttle STS-116 Crew

The American Radio Relay League (ARRL) ran a story covering the upcoming shuttle launch which will carry ham astronauts Sunita Williams, KD5PLB, and Christer Fugelsang, KE5CGR/SA0AFS. Both plan to participate in Amateur Radio contacts during their missions. See: http://www.arrl.org/?artid=6996

7. ARRL QST Articles

The December issue of the American Radio Relay League (ARRL) QST ran an article, "Civilian Space Traveler and Astronauts Pull Off ARISS Triple Header". The story was about Jeff Williams, Thomas Reiter and Anousheh Ansari and described their recent Amateur Radio on the International Space Station school contacts.

Another story, "Kids Day June 2007", summarized ARRL's on-the-air operating event for kids. Astronaut Dorothy Metcalf-Lindenburger, KE5DAT, made the comment, "As an astronaut, I enjoyed volunteering my time to encourage kids to study for their license so they can speak to folks all around the world and even on the International Space Station!"

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
JoAnne Maenpaa, K9JKM

443. Re: Check this out

Newsgroup: rec.radio.amateur.space
Date: 2006-12-10 14:33:22 UTC
From: AEONSCOOP <aeonscoop@worldnet.att.net>
Message-ID: <SUUeh.463989$QZ1.129437@bgtnsc04-news.ops.worldnet.att.net>
Source record: 1499

Starting Out:

Radio emmisions are effectively produced by an object M which resides within a boundry; the sourse heat reflected from the surface...

AEONSCOOP
"Admin" <admin@gmail.com> wrote in message news:ektv8hejk1@news.ntu-kpi.kiev.ua...
http://one.revver.com/find/user/AltimitHacker#_show_video_97897

444. FT847 & FC-20 for sale

Newsgroup: rec.radio.amateur.space
Date: 2006-12-12 22:41:01 UTC
From: Ron <rdmw6kj@comcast.net>
Message-ID: <hdWdnZWnVq5lsuLYnZ2dnUVZ_rGinZ2d@comcast.com>
Source record: 1350

My Yaesu FT847, power cord, hand mic, manual, and FC-20 for sale $950 delivered in the lower 48. Rig and tuner in very good condition, original manual.
Contact W6KJ, w6kj@arrl.net
73, Ron

445. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-13 18:04:01 UTC
From: fritz <love@peace.net>
Message-ID: <45804091.C46D4120@peace.net>
Source record: 1351
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

bobandcarole wrote:

> gwatts wrote:
> > bobandcarole wrote:
> > > gwatts wrote:
> > >
> > >>bobandcarole wrote:
> > >>
> > >>>bobandcarole wrote:
> > >>>
> > >>>
> > >>>>M...@kb9rqz.aprs wrote:
> > >>>>
> > >>>>
> > >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
> > >>>>><bobandcarole1010@hotmail.com> wrote:
> > >>>>>
> > >>>>>
> > >>>>>
> > >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
> > >>>>>>men, he likes young teen boys. We should pray for him that he gets a
> > >>>>>>handle on this problem and refrains from harming any more kids.
> > >>>>>>
> > >>>>>>
> > >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
> > >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
> > >>>>>>to positions where they gain access to our kids.
> > >>>>>>
> > >>>>>>
> > >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
> > >>>>>
> > >>>>>don't ever get tried of spreading hate?
> > >>>>
> > >>>>You confuse truth with hate.
> > >>
> > >>And you confuse rec.radio.amateur.space with a newsgroup that gives a
> > >>damn about your whiny, misleading, unsubstantiated spewage.
> > >
> > > And I take you have proof that it's "misleading"??
> >
> > You said 'typical behavior,' prove it.
> >
> > > Or are you blowing smoke out of your canyon ass?

> >
> > For someone so anti-homosexual you sure have a lot of fascination with
> > 'canyon asses.'
>
> Lie #1
> >
> > What do you know about 'typical behavior for homosexuals,'
>
> Well lets see, they buttfuck each other and ingest cum, that's bad
> enough

Heterosexuals do that too, so what?

> have any
> > citations from recognized, peer reviewed publications?
>
> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244

Right wing communist rag.

--

Fritz ...

Save a horse, ride a cowboy.

--
Posted via NewsDemon.com - Premium Uncensored Newsgroup Service
------>>>>>>http://www.NewsDemon.com<<<<<<------
Unlimited Access, Anonymous Accounts, Uncensored Broadband Access

446. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-13 18:08:57 UTC
From: fritz <love@peace.net>
Message-ID: <458041B9.CE59AB85@peace.net>
Source record: 1352
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

John Doe wrote:

> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
> WITH THE SUBJECT? NAMELY AMATEUR RADIO!

Because "bobandcarole" wish it that way, so shut up and read.

--

Fritz ...

Save a horse, ride a cowboy.

--
Posted via NewsDemon.com - Premium Uncensored Newsgroup Service
------->>>>>>http://www.NewsDemon.com<<<<<<------
Unlimited Access, Anonymous Accounts, Uncensored Broadband Access

447. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-13 21:55:41 UTC
From: Mark@kb9rqz.aprs
Message-ID: <9mt0o2pgf9202rflbpr0b5n92becm9msu8@4ax.com>
Source record: 1353
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:

>John Doe wrote:
>
>> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>
>Because "bobandcarole" wish it that way, so shut up and read.

or ignore the thread if you don't want to read it
>
>--
>
>Fritz ...
>
> Save a horse, ride a cowboy.
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

448. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-14 17:11:30 UTC
From: fritz <love@peace.net>
Message-ID: <458185C2.6D2624B8@peace.net>
Source record: 1354
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Mark@kb9rqz.aprs wrote:

> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>
> >John Doe wrote:
> >
> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
> >
> >Because "bobandcarole" wish it that way, so shut up and read.
>
> or ignore the thread if you don't want to read it

Can't do that, "bobandcarole" will get angry and call you
a fag, or some other fancy name for homos.

--

Fritz ...

Save a horse, ride a cowboy.

--
Posted via NewsDemon.com - Premium Uncensored Newsgroup Service
------->>>>>>http://www.NewsDem

449. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-14 18:56:23 UTC
From: Mark@kb9rqz.aprs
Message-ID: <mg73o29skvh58os4edi0dem4ok36gnklsh@4ax.com>
Source record: 1355
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:

>Mark@kb9rqz.aprs wrote:
>
>> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>>
>> >John Doe wrote:
>> >
>> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>> >
>> >Because "bobandcarole" wish it that way, so shut up and read.
>>
>> or ignore the thread if you don't want to read it
>
>Can't do that, "bobandcarole" will get angry and call you
>a fag, or some other fancy name for homos.
or call you a child molestor the gay stuff doesn't seem to be enough
any more the slime keeps escalating not sure where it is headed and I
don't want to know but I know I will learn wether I want to or not
>
>--
>
>Fritz ...
>
> Save a horse, ride a cowboy.
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

450. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-14 19:41:38 UTC
From: bobandcarole <bobandcarole222@hotmail.com>
Message-ID: <1166125297.982343.321750@f1g2000cwa.googlegroups.com>
Source record: 1356
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

```
fritz wrote:
> Mark@kb9rqz.aprs wrote:
>
> > On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
> >
> > >John Doe wrote:
> > >
> > >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
> > >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
> > >
> > >Because "bobandcarole" wish it that way, so shut up and read.
Ah, you've learned your place.
> >
> > or ignore the thread if you don't want to read it
>
> Can't do that, "bobandcarole" will get angry and call you
> a fag, or some other fancy name for homos.
Yep, we call a spade a spade........
```

451. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-14 19:47:27 UTC
From: Newps <nowhere@nowhere.com>
Message-ID: <hMidnVDf2NKgNxzYnZ2dnUVZ_tjinZ2d@bresnan.com>
Source record: 1357
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

> fritz wrote:

>>
>>Can't do that, "bobandcarole" will get angry and call you
>>a fag, or some other fancy name for homos.

And we care what a 12 year old says why?

452. North American dealer list for az-el rotators and controllers

Newsgroup: rec.radio.amateur.space
Date: 2006-12-15 19:18:47 UTC
From: John <j9432716m@yahoo.ca>
Message-ID: <12o5t8emcqg9l81@corp.supernews.com>
Source record: 1358

I'm looking for a North American dealer list for az-el rotators and controllers that can be used in ham satellite service.

Any info or related links would be appreciated.

Thanks,

John

453. WSR-345 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-12-15 19:28:05 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <HZudnesfWNOjah_YnZ2dnUVZ_vWtnZ2d@comcast.com>
Source record: 1359

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-345.S1
WSR 345 Part 1 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S1 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with docking of STS-116
this
week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.

[12112006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S2
WSR 345 Part 2 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S2 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP

PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
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Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with docking of STS-116
this
week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[12112006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S3
WSR 345 Part 3 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S3 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI

Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT

Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]

=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549

Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S4
WSR 345 Part 4 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S4 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

454. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-16 19:02:07 UTC
From: fritz <love@peace.net>
Message-ID: <458442AF.16945D81@peace.net>
Source record: 1360
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Mark@kb9rqz.aprs wrote:

> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>
> >Mark@kb9rqz.aprs wrote:
> >
> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
> >>
> >> >John Doe wrote:
> >> >
> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
> >> >
> >> >Because "bobandcarole" wish it that way, so shut up and read.
> >>
> >> or ignore the thread if you don't want to read it
> >
> >Can't do that, "bobandcarole" will get angry and call you
> >a fag, or some other fancy name for homos.
> or call you a child molestor the gay stuff doesn't seem to be enough
> any more the slime keeps escalating not sure where it is headed and I
> don't want to know but I know I will learn wether I want to or not

He just wants attention, nothing more.
His home life sucks so he has no place else to go.

--

Fritz ...

Save a horse, ride a cowboy.

--
Posted via NewsDemon.com - Premium Uncensored Newsgroup Service
------>>>>>>http://www.NewsDemon.com<<<<<<------
Unlimited Access, Anonymous Accounts, Uncensored Broadband Access

455. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-16 19:35:16 UTC
From: Mark@kb9rqz.aprs
Message-ID: <mii8o2ddc897jpihcf09vb6al41gq2b13v@4ax.com>
Source record: 1361
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:

>Mark@kb9rqz.aprs wrote:
>
>> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>>
>> >Mark@kb9rqz.aprs wrote:
>> >
>> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>> >>
>> >> >John Doe wrote:
>> >> >
>> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>> >> >
>> >> >Because "bobandcarole" wish it that way, so shut up and read.
>> >>
>> >> or ignore the thread if you don't want to read it
>> >
>> >Can't do that, "bobandcarole" will get angry and call you
>> >a fag, or some other fancy name for homos.
>> or call you a child molestor the gay stuff doesn't seem to be enough
>> any more the slime keeps escalating not sure where it is headed and I
>> don't want to know but I know I will learn wether I want to or not
>
>He just wants attention, nothing more.
>His home life sucks so he has no place else to go.

very likely or he has problems dealing with his impulses and desires
and takes it on the rest of us
>
>--
>
>Fritz ...
>
> Save a horse, ride a cowboy.
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

456. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-16 19:39:35 UTC
From: bob&carole <bobandcarole666@hotmail.com>
Message-ID: <1166297975.706861.110720@73g2000cwn.googlegroups.com>
Source record: 1362
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Newps wrote:
> > fritz wrote:
>
> >>
> >>Can't do that, "bobandcarole" will get angry and call you
> >>a fag, or some other fancy name for homos.
>
>
>
>
> And we care what a 12 year old says why?

You speakem bad english.
Must be ebonics.....

457. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-16 22:02:53 UTC
From: Mark@kb9rqz.aprs
Message-ID: <m7r8o25ft5rd3dgjbhkim4oditfu6lutit@4ax.com>
Source record: 1363
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On 16 Dec 2006 11:39:35 -0800, "bob&carole"
<bobandcarole666@hotmail.com> wrote:

>
>Newps wrote:
>> > fritz wrote:
>>
>> >>
>> >>Can't do that, "bobandcarole" will get angry and call you
>> >>a fag, or some other fancy name for homos.
>>
>>
>>
>>
>> And we care what a 12 year old says why?
>
>You speakem bad english.
>Must be ebonics..........

ah aracist as well as a homphobe why am I not supprised
http://kb9rqz.blogspot.com/

--
Posted via a free Usenet account from http://www.teranews.com

458. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-17 06:31:58 UTC
From: Bernard Hubbard <bernard1958@west.net.au>
Message-ID: <bso9o2hl4d31hehgdgsjo620hm5a8ulf6c@4ax.com>
Source record: 1364
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:

>Mark@kb9rqz.aprs wrote:
>
>> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>>
>> >Mark@kb9rqz.aprs wrote:
>> >
>> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>> >>
>> >> >John Doe wrote:
>> >> >
>> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>> >> >
>> >> >Because "bobandcarole" wish it that way, so shut up and read.
>> >>
>> >> or ignore the thread if you don't want to read it
>> >
>> >Can't do that, "bobandcarole" will get angry and call you
>> >a fag, or some other fancy name for homos.
>> or call you a child molestor the gay stuff doesn't seem to be enough
>> any more the slime keeps escalating not sure where it is headed and I
>> don't want to know but I know I will learn wether I want to or not
>
>He just wants attention, nothing more.
>His home life sucks so he has no place else to go.

I'm sure that there is no sucking in his house so he uses the internet
hoping to pick-up a date. I'm not going to volunteer as I have seen
pix of Blob and they are enough for me to up-chuck.
>
>--
>
>Fritz ...
>
> Save a horse, ride a cowboy.
--

"Genius may have its limitations, but stupidity is not thus
handicapped."~Elbert Hubbard to quote a relative of mine.

Bernard Hubbard

459. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-17 13:16:38 UTC
From: John Doe <hgorden@adelphia.net>
Message-ID: <npCdndepD-Kz3hjYnZ2dnUVZ_vGinZ2d@adelphia.com>
Source record: 1365

STICK IT WHERE THE SUN DON'T SHINE UP SOME KANGAROO'S BUTT! !

"Bernard Hubbard" <bernard1958@west.net.au> wrote in message
news:bso9o2hl4d31hehgdgsjo620hm5a8ulf6c@4ax.com...
> On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:
>
>>Mark@kb9rqz.aprs wrote:
>>
>>> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>>>
>>> >Mark@kb9rqz.aprs wrote:
>>> >
>>> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>>> >>
>>> >> >John Doe wrote:
>>> >> >
>>> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS
>>> >> >> NOTHING TO DO
>>> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>>> >> >
>>> >> >Because "bobandcarole" wish it that way, so shut up and read.
>>> >>
>>> >> or ignore the thread if you don't want to read it
>>> >
>>> >Can't do that, "bobandcarole" will get angry and call you
>>> >a fag, or some other fancy name for homos.
>>> or call you a child molestor the gay stuff doesn't seem to be enough
>>> any more the slime keeps escalating not sure where it is headed and I
>>> don't want to know but I know I will learn wether I want to or not
>>>
>>>He just wants attention, nothing more.
>>>His home life sucks so he has no place else to go.
>>
>> I'm sure that there is no sucking in his house so he uses the internet
>> hoping to pick-up a date. I'm not going to volunteer as I have seen
>> pix of Blob and they are enough for me to up-chuck.
>>
>>--
>>
>>Fritz ...
>>
>> Save a horse, ride a cowboy.
> --
>

> "Genius may have its limitations, but stupidity is not thus
> handicapped."~Elbert Hubbard to quote a relative of mine.
>
>
>
> Bernard Hubbard

460. WSR-352 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-12-21 04:26:26 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <aPqdnTGymeVtkRfYnZ2dnUVZ_syunZ2d@comcast.com>
Source record: 1366

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-352.S1
WSR 352 Part 1 12/18/2006

AMSAT NEWS SERVICE BULLETIN 352.S1 FROM AMSAT HQ
SILVER SPRING, MD, December 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-352.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[12182006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Sunita Williams

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[12182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-352.S2
WSR 352 Part 2 12/18/2006

AMSAT NEWS SERVICE BULLETIN 352.S2 FROM AMSAT HQ
SILVER SPRING, MD, December 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-352.S2

GENESAT-1 ?O-??
Catalog Number: 29655
Launch Date: December 16, 2006

Status: Operational

Telemetry Beacon Downlink: 437.0670 MHz AFSK 1200 BPS
[12182006]
=====
HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====

CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U
PBBS - V/U - 9k6 PBP
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[12182006]
=====
NO-44 PCSAT

Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM

(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Sunita Williams

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[12182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-352.S3
WSR 352 Part 3 12/18/2006

AMSAT NEWS SERVICE BULLETIN 352.S3 FROM AMSAT HQ
SILVER SPRING, MD, December 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-352.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB

Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]

=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-352.S4
WSR 352 Part 4 12/18/2006

AMSAT NEWS SERVICE BULLETIN 352.S4 FROM AMSAT HQ
SILVER SPRING, MD, December 18, 2006
TO ALL RADIO AMATEURS
BID: $ANS-352.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

461. ANS-358 AMSAT News Service Weekly Bulletins

Newsgroup: rec.radio.amateur.space
Date: 2006-12-25 05:14:11 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <r6mdnQzPvYaJwxLYnZ2dnUVZ_s6onZ2d@comcast.com>
Source record: 1367

AMSAT NEWS SERVICE
ANS-358

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

In this edition:
* Multiple Amateur Satellites Deployed From Shuttle
* GO-32 PBBS Operational
* GeneSat-1 Continues Operations
* ARISS Status - 18 December 2006

SB SAT @ AMSAT $ANS-358.01
Multiple Amateur Satellites Deployed From Shuttle

AMSAT News Service Bulletin 358.01
From AMSAT HQ SILVER SPRING, MD.
December 24, 2006
To All RADIO AMATEURS
BID: $ANS-358.01

ANDE, RAFT and NMARS were deployed from the Space Shuttle on 21 December 2006.

RAFT and NMARS have a very high spin rate. NMARS is spinning at at least 60 RPM and RAFT at maybe half that. This will make getting a complete 1 second packet difficult due to fading on linear antennas.

The Naval Research Laboratory science mission of ANDE is to measure the density of the upper atmosphere by precise tracking of the orbit decay by the Maui Laser Ranging Tracking Station. The Comm system provides important telemetry on the attitude and temperature of the spacecraft. RAFT carries a 216.98 MHz receiver/transmitter to demonstrate self-location techniques when it flies through the Space Surveillance Network radar fence across the southern USA. When this experiment is activated, users will hear a 1 second ping when it flies through the fence.

ANDE and RAFT also carry packet radio communications systems and join with other US Naval Academy APRS digipeating satellites such as PCSAT-1 and PCSAT2. ANDE and RAFT will respond to the path alias of APRSAT and ARISS. This is so that users do not have to reconfigure their path between

satellites or between their ISS groundstation. The following frequencies are used by these two spacecraft:
* ANDE Side A: 145.825 Digipeater up/downlink 1200 baud packet
* ANDE Side B: 145.825 downlink (backup to side A only)
* RAFT System: 145.825 Digipeater up/downlink 1200 baud packet
* RAFT PSK-31: 28.120 HF PSK-31 uplink -downlink on 145.825

Much more information about these satellites is available on the ANDE, RAFT, NMARS, & FCAL Operations web site.
http://www.ew.usna.edu/~bruninga/ande-raft-ops.html

[ANS thanks Bob, WB4APR, for the above information]

/EX

SB SAT @ AMSAT $ANS-358.02
GO-32 PBBS Operational

AMSAT News Service Bulletin 358.02
From AMSAT HQ SILVER SPRING, MD.
December 24, 2006
To All RADIO AMATEURS
BID: $ANS-358.02

Techsat1b/GO-32 PBBS services had been suspended due to a special test and to maintainance needs on 25 November 2006. With the maintainance and testing now complete, GO-32 returned to operations on Thursday morning 21 December 2006.

[ANS thanks Roni, 4Z7DFC, for the above information]

/EX

SB SAT @ AMSAT $ANS-358.03
GeneSat-1 Continues Operations

AMSAT News Service Bulletin 358.03
From AMSAT HQ SILVER SPRING, MD.
December 24, 2006
To All RADIO AMATEURS
BID: $ANS-358.03

The GeneSat-1 mission is proceeding very well. Biology data shows definite growth. Payload temperature control is doing a good job of holding the median payload temperature close to 34 deg C (the latest data shows median payload temp of 33.42). The 2.4 GHz communications link is functional and supporting the required level of procedural execution by the ops team. So far nearly all commanding has been done in the very early morning hours, over time the Ops Team will also be interested in assessing how time-varying (and most likely directional) 2.4 GHz noise affects the command link (e.g. how 2.4 GHz wireless noise increases during normal working hours)

The 70cm beacon downlink is excellent although the frequency has shifted down to about 437.0645 MHz. So far over 7100 beacon packets have been submitted by Amateurs world-wide.

The GeneSat team is also happy to report the winner of the GeneSat First Contact Prize for the amateur radio community: Ralph Wallio, Wï¿½RPK. Ralph successfully decoded 5 beacon packets at approximately 13:44:28 UTC on 16 December 2006, which was about 85 minutes after GeneSat deployed from the PPOD. Ralph is located in Iowa.

Additional information about the GeneSat-1's on-going mission is availble at http://www.genesat1.org/

[ANS thanks GeneSat1 Operations for the above information]

/EX

SB SAT @ AMSAT $ANS-358.04
ARISS Status - 18 December 2006

AMSAT News Service Bulletin 358.04
From AMSAT HQ SILVER SPRING, MD.
December 24, 2006
To All RADIO AMATEURS
BID: $ANS-358.04

1. Swedish School Contact Successful

On Sunday, December 17, students attending Thunmanskolan in Knivsta, Sweden spoke with Swedish astronaut Christer Fuglesang, KE5CGR/SA0AFS, on board the ISS via the telebridge station VK4KHZ in Australia. Fuglesang was able to answer 13 questions posed to him by thirteen students. Audio was fed to the Echolink AMSAT (101 377) and JK1ZRW (277 208) servers and to IRLP Discovery Reflector 9010. Fifty connections from 12 countries were made to Echolink, including 5 simplex and 3 repeater nodes. Eight stations connected to IRLP from Canada, U.S.A, and Sweden; 25 listened to the audio as it was streamed on the Discovery website. The audio was also webcast courtesy of Verizon Conferencing.

2. Upcoming School Contact

An Amateur Radio on the International Space Station (ARISS) contact is planned for the Kashiwabara Community Center in Sayama, Japan on Wednesday, December 27, at 12:22 UTC. Kashiwabara Community Center will plan and support this children's event with the two area schools: Kashiwabara Elementary school and Kashiwabara Junior High school. The children will be taught about the ISS, space and amateur radio, and will take a field trip to visit the Japanese Aerospace Exploration Agency (JAXA). Members of JAXA will also be invited to the event.

3. Training Status

On Thursday, December 14, astronaut Tim Kopra and future space participant Charles Simonyi took and passed their amateur radio license exams. In addition, Simonyi received training on the Kenwood radio and Amateur Radio on the ISS school operations.

4. ARRL QST Articles on ARISS

The American Radio Relay League (ARRL) ran several stories covering Amateur Radio on the International Space Station (ARISS) related activities in the January issue of QST. A bullet item in the monthly list of touted Amateur Radio accomplishments described the discussion about SuitSat-2 by the ARISS Team at the ARISS Annual Meeting in San Francisco (page 12).

A letter to the editor was run from a person who upon learning about ARISS, decided he wanted to become a ham radio operator in order to talk to astronauts. He succeeded in studying for and passing his ham radio exams, and was very lucky (and excited!) to speak with Bill McArthur. His letter was written to thank Bill for his time spent doing outreach to the public while chatting via ham radio (p. 24).

A story was run about AMSAT's Annual Symposium describing McArthur's excellent talk at the symposium banquet. The story included his photo (p. 75).

5. Thomas Reiter Active on Voice

On Monday, December 11, Thomas Reiter was active on the Amateur Radio on the International Space Station (ARISS) radio. Reiter made several contacts with stations in Norway, the Netherlands and the U.K.

[ANS thanks Carol, KB3LKI for the above information]

/EX

In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73 & Happy Holidays,
This week's ANS Editor,
Lee McLamb, KU4OS

462. QSL Cards

Newsgroup: rec.radio.amateur.space
Date: 2006-12-26 19:42:50 UTC
From: "qslcanadagroups@gmail.com" <qslcanadagroups@gmail.com>
Message-ID: <1167162170.644919.261280@a3g2000cwd.googlegroups.com>
Source record: 1368

Name: Kirill
Call: VE3AXC

Merry Christmas and Happy New Year everyone! I will be a subscriber of this forum from now on, so nice meeting everybody!

On this note, please allow me to stray a bit off this forum's topic but my info might still be relevant for some. I myself have been a ham for 8 years; also run a small QSL card printing business (my printishop is located in Toronto, Canada) and have a web site specifically dedicated to that www.qslcanada.com

Reason I would like to post this message on this forum is to let your group know that I have a pretty good group referral discount program.

The idea is quite simple and there is no catch.... For each HAM who is referred by you and who wishes to place an minimum order of 500 cards, you would receive 100 (custom designed) cards of the same type free of charge. The offer is transferable, so if for example you let me know that you don't need any more cards, I will be happy to print additional 100 cards for your friend free of charge (or charge for 100 cards less)

This offer may be ideal for your group or a club you belong to. For example, if you
refer say 3 HAMs who would like to print a minimum 500 cards for themselves, you would receive 300 cards as appreciation for spreading the word about qslcanada
; you could transfer it to someone as a gift ; or each of 3 Hams would only pay
for 400 cards, since each one will get 100 cards free. To sum it up, each of the referral counts as 100 free cards in any shape or form. Pse let me know if you have any questions.

So if bunch of Hams in this group who are into QSLing might be interested to giving someone a free gift or getting a good deal on the next batch, pse let me know. The offer is valid any time in future. www.qslcanada.com has quite a bit of samples, more info and e-ham reviews

PS Have got to mention this, since it did happen before, where some folks took this posting too personally. I just wanted to get this info out there ONE TIME ONLY! Please don't call me any spammer names or hate mail me. I believe this to be a fair group offer any hams by hams enterprise deserves a little exposure to start out with.

I will try to participate in this group from now on; best 73 to everyone! Happy New Year!

463. Re: Sexual fascism and the Mark Foley scandel

Newsgroup: rec.radio.amateur.space
Date: 2006-12-28 07:34:07 UTC
From: Tony <Private@pri.com>
Message-ID: <9ps6p2tpujkftrbss4i8ch2a001i5um2r3@4ax.com>
Source record: 1369

What Does this Shit Have to Do with amateur.space ? Please Take this
crap someware else

On Wed, 13 Dec 2006 13:04:01 -0500, fritz <love@peace.net> wrote:

>bobandcarole wrote:
>
>> gwatts wrote:
>> > bobandcarole wrote:
>> > > gwatts wrote:
>> > >
>> > >>bobandcarole wrote:
>> > >>
>> > >>>bobandcarole wrote:
>> > >>>
>> > >>>
>> > >>>>M...@kb9rqz.aprs wrote:
>> > >>>>
>> > >>>>
>> > >>>>>On 6 Dec 2006 09:25:43 -0800, "bobandcarole"
>> > >>>>><bobandcarole1010@hotmail.com> wrote:
>> > >>>>>
>> > >>>>>
>> > >>>>>
>> > >>>>>>Apparently, Rep. Mark Foley is homosexual. And like many homosexual
>> > >>>>>>men, he likes young teen boys. We should pray for him that he gets a
>> > >>>>>>handle on this problem and refrains from harming any more kids.
>> > >>>>>>
>> > >>>>>>
>> > >>>>>>Meanwhile, we need to wake up. The fact that this is typical behavior
>> > >>>>>>for homosexuals doesn't stop us from continuing to elevate such folks
>> > >>>>>>to positions where they gain access to our kids.
>> > >>>>>>
>> > >>>>>>
>> > >>>>>>http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>> > >>>>>
>> > >>>>>don't ever get tried of spreading hate?
>> > >>>>
>> > >>>>You confuse truth with hate.
>> > >>>
>> > >>>And you confuse rec.radio.amateur.space with a newsgroup that gives a
>> > >>>damn about your whiny, misleading, unsubstantiated spewage.
>> > >>
>> > > And I take you have proof that it's "misleading"??
>> >

>> > You said 'typical behavior,' prove it.
>> >
>> > > Or are you blowing smoke out of your canyon ass?
>> >
>> > For someone so anti-homosexual you sure have a lot of fascination with
>> > 'canyon asses.'
>>
>> Lie #1
>> >
>> > What do you know about 'typical behavior for homosexuals,'
>>
>> Well lets see, they buttfuck each other and ingest cum, that's bad
>> enough
>
>Heterosexuals do that too, so what?
>
>> have any
>> > citations from recognized, peer reviewed publications?
>>
>> http://worldnetdaily.com/news/article.asp?ARTICLE_ID=52244
>
>Right wing communist rag.
>
>--
>
>Fritz ...
>
> Save a horse, ride a cowboy.

464. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-28 07:37:18 UTC
From: Tony <Private@pri.com>
Message-ID: <7ts6p2lful95kj6tjiitcjm31i4pl8efhu@4ax.com>
Source record: 1370

MORE SHIT THAT DOES NOT BELONG IN HERE

amateur.space

Lets Get Real Here This is SAT not CRAP

On Sun, 17 Dec 2006 08:16:38 -0500, "John Doe" <hgorden@adelphia.net>
wrote:

>STICK IT WHERE THE SUN DON'T SHINE UP SOME KANGAROO'S BUTT! !
>
>"Bernard Hubbard" <bernard1958@west.net.au> wrote in message
>news:bso9o2hl4d31hehgdgsjo620hm5a8ulf6c@4ax.com...
>> On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:
>>
>>>Mark@kb9rqz.aprs wrote:
>>>
>>>> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>>>>
>>>> >Mark@kb9rqz.aprs wrote:
>>>> >
>>>> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>>>> >>
>>>> >> >John Doe wrote:
>>>> >> >
>>>> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS
>>>> >> >> NOTHING TO DO
>>>> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>>>> >> >
>>>> >> >Because "bobandcarole" wish it that way, so shut up and read.
>>>> >>
>>>> >> or ignore the thread if you don't want to read it
>>>> >
>>>> >Can't do that, "bobandcarole" will get angry and call you
>>>> >a fag, or some other fancy name for homos.
>>>> or call you a child molestor the gay stuff doesn't seem to be enough
>>>> any more the slime keeps escalating not sure where it is headed and I
>>>> don't want to know but I know I will learn wether I want to or not
>>>
>>>He just wants attention, nothing more.
>>>His home life sucks so he has no place else to go.
>>
>> I'm sure that there is no sucking in his house so he uses the internet
>> hoping to pick-up a date. I'm not going to volunteer as I have seen
>> pix of Blob and they are enough for me to up-chuck.

>>>
>>>--
>>>
>>>Fritz ...
>>>
>>> Save a horse, ride a cowboy.
>> --
>>
>> "Genius may have its limitations, but stupidity is not thus
>> handicapped."~Elbert Hubbard to quote a relative of mine.
>>
>>
>>
>> Bernard Hubbard
>

465. WSR-359 AMSAT Weekly Satellite Report

Newsgroup: rec.radio.amateur.space
Date: 2006-12-28 13:21:33 UTC
From: JoAnne K9JKM <k9jkm_remove_@comcast.net>
Message-ID: <hPydnQPbypNFWQ7YnZ2dnUVZ_riknZ2d@comcast.com>
Source record: 1371

```
This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-359.S1
WSR 359 Part 1 12/25/2006

AMSAT NEWS SERVICE BULLETIN 359.S1 FROM AMSAT HQ
SILVER SPRING, MD, December 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-359.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004
```

Status: Operational
Current Mode(s): FM Repeater - V/U
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[12252006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute

timer
on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795 MHz

Digital Mode JD
Uplink: 145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink: 145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink: 145.850 to 145.950 MHz CW/USB Mode A
432.125 to 432.175 MHz CW/LSB Mode B
Downlink: 29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons: 29.502 MHz
145.972 MHz
435.100 MHz
2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low! For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]

=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

The Expedition 14 crew is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Sunita Williams

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[12182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-359.S2
WSR 359 Part 2 12/25/2006

AMSAT NEWS SERVICE BULLETIN 359.S2 FROM AMSAT HQ
SILVER SPRING, MD, December 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-359.S2

GENESAT-1 ?O-??
Catalog Number: 29655
Launch Date: December 16, 2006

Status: Operational

Telemetry Beacon Downlink: 437.0670 MHz AFSK 1200 BPS
[12182006]
=====
HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====

CO-56 CUTE-1.7 + APD
Catalog number: 28941
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ?)

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U
PBBS - OFF
Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
435.150 MHz FM
2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM
145.880 MHz USB
145.920 MHz FM
1268.700 MHz FM 67Hz PL tone
Digital Downlinks: 435.150 MHz FM 38k4 Digital, PBP, 1 watt output
435.150 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM 9k6 Digital, Pacsat Broadcast
Protocol
1268.700 mhz FM 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[12252006]
=====
NO-44 PCSAT

Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
145.890 FM
145.930 FM
1269.700 FM
1269.800 FM
1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
145.920 FM
145.940 FM
145.960 FM

(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
days OFF
Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Sunita Williams

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[12182006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-359.S3
WSR 359 Part 3 12/25/2006

AMSAT NEWS SERVICE BULLETIN 359.S3 FROM AMSAT HQ
SILVER SPRING, MD, December 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-359.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11
BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB

Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a
non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and
the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
24,048.035
[05232004]

=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html
[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial
land and weather imaging payloads offers FM and FSK Amateur Radio communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz
[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-359.S4
WSR 359 Part 4 12/25/2006

AMSAT NEWS SERVICE BULLETIN 359.S4 FROM AMSAT HQ
SILVER SPRING, MD, December 25, 2006
TO ALL RADIO AMATEURS
BID: $ANS-359.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
NNNN
/EX

ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)
* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
NNNN
/EX

466. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 13:45:58 UTC
From: bobandcarole <bobandcarole777@hotmail.com>
Message-ID: <1167572758.916199.75060@k21g2000cwa.googlegroups.com>
Source record: 1372
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

Bernard Hubbard wrote:
> On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:
>
> >Mark@kb9rqz.aprs wrote:
> >
> >> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
> >>
> >> >Mark@kb9rqz.aprs wrote:
> >> >
> >> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
> >> >>
> >> >> >John Doe wrote:
> >> >> >
> >> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
> >> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
> >> >> >
> >> >> >Because "bobandcarole" wish it that way, so shut up and read.
> >> >>
> >> >> or ignore the thread if you don't want to read it
> >> >
> >> >Can't do that, "bobandcarole" will get angry and call you
> >> >a fag, or some other fancy name for homos.
> >> or call you a child molestor the gay stuff doesn't seem to be enough
> >> any more the slime keeps escalating not sure where it is headed and I
> >> don't want to know but I know I will learn wether I want to or not
> >
> >He just wants attention, nothing more.
> >His home life sucks so he has no place else to go.
>
> I'm sure that there is no sucking in his house so he uses the internet
> hoping to pick-up a date. I'm not going to volunteer as I have seen
> pix of Blob and they are enough for me to up-chuck.

Really???
Post these "pix of me" you lying homosexual piece of kangaroo shit...

467. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 14:32:43 UTC
From: Mark@kb9rqz.aprs
Message-ID: <mfifp2d98tm0f23fcfnhsnl84beh08qm2g@4ax.com>
Source record: 1373
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

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On 31 Dec 2006 05:45:58 -0800, "bobandcarole"
<bobandcarole777@hotmail.com> wrote:

>
>Bernard Hubbard wrote:
>> On Sat, 16 Dec 2006 14:02:07 -0500, fritz <love@peace.net> wrote:
>>
>> >Mark@kb9rqz.aprs wrote:
>> >
>> >> On Thu, 14 Dec 2006 12:11:30 -0500, fritz <love@peace.net> wrote:
>> >>
>> >> >Mark@kb9rqz.aprs wrote:
>> >> >
>> >> >> On Wed, 13 Dec 2006 13:08:57 -0500, fritz <love@peace.net> wrote:
>> >> >>
>> >> >> >John Doe wrote:
>> >> >> >
>> >> >> >> AND WHY DO WE NEED THIS KIND OF POSTING IN A GROUP THAT HAS NOTHING TO DO
>> >> >> >> WITH THE SUBJECT? NAMELY AMATEUR RADIO!
>> >> >> >
>> >> >> >Because "bobandcarole" wish it that way, so shut up and read.
>> >> >>
>> >> >> or ignore the thread if you don't want to read it
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>> >> >Can't do that, "bobandcarole" will get angry and call you
>> >> >a fag, or some other fancy name for homos.
>> >> or call you a child molestor the gay stuff doesn't seem to be enough
>> >> any more the slime keeps escalating not sure where it is headed and I
>> >> don't want to know but I know I will learn wether I want to or not
>> >
>> >He just wants attention, nothing more.
>> >His home life sucks so he has no place else to go.
>>
>> I'm sure that there is no sucking in his house so he uses the internet
>> hoping to pick-up a date. I'm not going to volunteer as I have seen
>> pix of Blob and they are enough for me to up-chuck.
>
>
>Really???
>Post these "pix of me" you lying homosexual piece of kangaroo shit...

please take you hate mongering someplace else
http://kb9rqz.blogspot.com/
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Posted via a free Usenet account from http://www.teranews.com

468. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 16:39:32 UTC
From: "Sniper .308" <me@my.desk>
Message-ID: <ckpfp2hbnsooeh9r07alettjh0mm2bva5e@4ax.com>
Source record: 1374
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Sun, 31 Dec 2006 09:32:43 -0500, Mark@kb9rqz.aprs wrote:

>please take you hate mongering someplace else
>http://kb9rqz.blogspot.com/

Blob is the single biggest hypocritical cock sucking cowards on the
internet. Hell he changes his email address 2 or 3 times a day, then
tries to deny it. So using words like please won't cut it.

469. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 16:45:21 UTC
From: Mark@kb9rqz.aprs
Message-ID: <c8qfp29log7tu31kipjaa49tps2j49cdfd@4ax.com>
Source record: 1375
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Sun, 31 Dec 2006 16:39:32 GMT, Sniper .308 <me@my.desk> wrote:

>On Sun, 31 Dec 2006 09:32:43 -0500, Mark@kb9rqz.aprs wrote:
>
>
>>please take you hate mongering someplace else
>>http://kb9rqz.blogspot.com/
>
>Blob is the single biggest hypocritical cock sucking cowards on the
>internet. Hell he changes his email address 2 or 3 times a day, then
>tries to deny it. So using words like please won't cut it.

neither will anything else most likely so I prefer being polite
http://kb9rqz.blogspot.com/

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Posted via a free Usenet account from http://www.teranews.com

470. Re: spaming hate monger

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 16:56:07 UTC
From: "Sniper .308" <me@my.desk>
Message-ID: <mkqfp29oo79ai5rmq3ai1e00jdujtu5fmp@4ax.com>
Source record: 1376
Cross-posted to: alt.politics.homosexuality,alt.education,alt.dbs.directv,rec.radio.amateur.space,rec.food.drink.beer

On Sun, 31 Dec 2006 11:45:21 -0500, Mark@kb9rqz.aprs wrote:

>neither will anything else most likely so I prefer being polite
>http://kb9rqz.blogspot.com/

The single most comical thing about Blob, is he claims to be christian
while posting racist and homophobic drivel. He is by far the biggest
hypocritical COWARD I have ever seen.

471. Visit Nighthawk's Forum

Newsgroup: rec.radio.amateur.space
Date: 2006-12-31 18:38:54 UTC
From: Nighthawk <miner1@flash.net>
Message-ID: <jtTlh.10746$ZT3.9390@newssvr19.news.prodigy.com>
Source record: 1377
Cross-posted to: rec.radio.amateur.equipment,rec.radio.amateur.homebrew,rec.radio.amateur.misc,rec.radio.amateur.policy,rec.radio.amateur.space

If you have communications equipment you either want to buy, sell or give away, or you want to find out information on that new antenna, or radio you got for Christmas, visit Nighthawk's Forum

http://nighthawk.suddenlaunch2.com